



INDEX OF PATENTS

RELATING TO

ELECTRICITY,

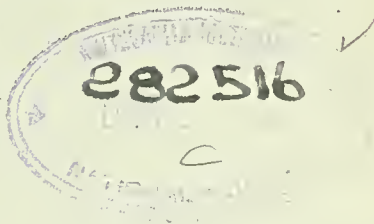
EMBRACING PATENTS ISSUED BY

THE UNITED STATES PATENT OFFICE



FROM JULY 1, 1887, TO JUNE 30, 1888.

APPENDIX No. VII.

COMPILED UNDER THE DIRECTION OF THE COMMISSIONER OF PATENTS.



WASHINGTON:
GOVERNMENT PRINTING OFFICE.
1889.



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ELECTRICITY,

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ERRATA.

No. 10,907 (Reis. 333,121): For "Eisenhardt," read Eisenhart.

No. 370,572: For "B," read W.

No. 372,231: For "Motors," read Regulators.

No. 379,396: For "Hagan," read Hogan.

No. 383,919: For "Motive power," read Magneto-electric.

No. 384,562: For "J," read G.

APPENDIX No. VII.

PART I.

CONSISTING OF A

SUB-CLASS INDEX OF ALL PATENTS

RELATING TO

ELECTRICITY

Issued from July 1, 1887, to June 30, 1888, inclusive, giving names of Inventors,
and dates and numbers of Patents in each sub-class in
numerical and chronological order.

CLASSIFIED INDEX

OF

PATENTS RELATING TO ELECTRICITY

FROM JULY 1, 1887, TO JUNE 30, 1888.

171. GENERATION.—6. BATTERIES—GALVANIC.

No.	NAME.	DATE.	No.	NAME.	DATE.
366,034	Seiler, C.-----	July 5, 1887	377,745	Foote, T. M.-----	Feb. 14, 1888
366,717	Faure, C. A.-----	July 19, 1887	378,121	Walter, H.-----	Feb. 21, 1888
367,294	Harris, H. I.-----	July 26, 1887	378,122	Walter, H. and Marsh, W. E. H.-----	Feb. 21, 1888
367,359	Brewer, H. J.-----	Aug. 2, 1887	378,484	Wiest, J.-----	Feb. 28, 1888
367,451	Serson, J.-----	Aug. 2, 1887	378,943	Terrell, G. E.-----	Mar. 6, 1888
367,705	D'Humy, P. R. de F.-----	Aug. 2, 1887	379,180	Partz, A. F. W.-----	Mar. 6, 1888
367,956	Brewer, H. J.-----	Aug. 9, 1887	379,372	Crouch, F. J.-----	Mar. 13, 1888
368,099	Maquay, S. W.-----	Aug. 9, 1887	379,551	Woodward, H.-----	Mar. 13, 1888
368,190	Case, W. E.-----	Aug. 16, 1887	379,552	Woodward, H.-----	Mar. 13, 1888
368,191	Case, W. E.-----	Aug. 16, 1887	379,911	Sehanschieff, A.-----	Mar. 20, 1888
368,806	Bryant, T. W.-----	Aug. 23, 1887	380,084	Brewer, H. J.-----	Mar. 27, 1888
369,034	Seely, J. A.-----	Aug. 30, 1887	380,085	Brewer, H. J.-----	Mar. 27, 1888
369,505	Drescher, L.-----	Sept. 6, 1887	380,430	Frishmuth, W.-----	Apr. 3, 1888
369,769	Brewer, H. J.-----	Sept. 13, 1887	380,589	O'Keenan, C. E.-----	Apr. 3, 1888
371,244	Bailey, M. and Warner, J.-----	Oct. 11, 1887	380,855	Brewer, H. J.-----	Apr. 10, 1888
372,193	Armstrong, J. T.-----	Oct. 25, 1887	380,856	Brewer, H. J.-----	Apr. 10, 1888
372,658	Cox, H. B.-----	Nov. 8, 1887	380,942	Shallenberger, O. B.-----	Apr. 10, 1888
372,734	Wilder, C. H.-----	Nov. 8, 1887	380,943	Shallenberger, O. B.-----	Apr. 10, 1888
373,021	Howell, J. W.-----	Nov. 8, 1887	380,944	Shallenberger, O. B.-----	Apr. 10, 1888
373,064	Gassner, C., jr.-----	Nov. 15, 1887	380,947	Shallenberger, O. B. and Bylles- by, H. M.-----	Apr. 10, 1888
373,334	Brown, C. A.-----	Nov. 15, 1887			
373,435	Brewer, H. J.-----	Nov. 22, 1887	380,971	Armstrong, J. T.-----	Apr. 10, 1888
374,173	Case, W. E.-----	Dec. 6, 1887	381,336	Claffin, C. R. B., jr., and Flagg, J. W.-----	Apr. 17, 1888
374,329	Waite, H. E.-----	Dec. 6, 1887			
374,456	Crouch, F. J.-----	Dec. 6, 1887	381,422	Riker, A. L.-----	Apr. 17, 1888
374,631	Serson, J.-----	Dec. 13, 1887	381,542	Egan, C. E.-----	Apr. 24, 1888
374,669	Freeman, C. R.-----	Dec. 13, 1887	382,738	Sloane, G. H.-----	May 15, 1888
374,862	Barrett, J. A.-----	Dec. 13, 1887	383,263	Whittier, T. P.-----	May 22, 1888
374,863	Barrett, J. A.-----	Dec. 13, 1887	383,271	Beattie, J., jr.-----	May 22, 1888
375,007	Serson, J.-----	Dec. 20, 1887	383,548	Wildt, E. A.-----	May 29, 1888
375,034	Wilder, C. H.-----	Dec. 20, 1887	383,677	Metzradt, H. J. von-----	May 29, 1888
375,441	Cox, H. B.-----	Dec. 27, 1887	383,706	Cox, H. B.-----	May 29, 1888
375,559	McLaughlin, J. F.-----	Dec. 27, 1887	384,958	Brown, C. A. and Clark, M. M.-----	June 26, 1888
375,561	McLaughlin, J. F.-----	Dec. 27, 1887	385,028	Wheelock, B. J.-----	June 26, 1888
376,228	Beattie, J., jr.-----	Jan. 10, 1888	385,147	Starr, E. E.-----	June 26, 1888
377,210	Pennock, G. B.-----	Jan. 31, 1888	385,308	Hewett, E. M.-----	June 26, 1888
377,340	Urquhart, D. and Nicholson, B.-----	Jan. 31, 1888			

171. GENERATION.—72. BATTERIES—SECONDARY.

368,608	Peyrusson, A. E.-----	Aug. 23, 1887	382,098	Madden, A. F.-----	May 1, 1888
369,561	Short, S. H.-----	Sept. 6, 1887	382,112	Sellon, J. S.-----	May 1, 1888
370,134	Flick, O. C.-----	Sept. 20, 1887	382,358	Gibson, C. D. P.-----	May 8, 1888
371,358	Reckenzaun, A.-----	Oct. 11, 1887	382,420	Epstein, L.-----	May 8, 1888
372,468	Hering, C.-----	Nov. 1, 1887	382,968	Gibson, C. D. P.-----	May 15, 1888
377,642	Sellon, J. S.-----	Feb. 7, 1888	383,140	Russell, S.-----	May 22, 1888
378,629	Stecher, M.-----	Feb. 28, 1888	383,193	Sellon, J. S.-----	May 22, 1888
379,567	Faure, C. A.-----	Mar. 20, 1888	383,216	Epstein, L.-----	May 22, 1888
379,572	Gibson, C. D. P.-----	Mar. 20, 1888	383,560	Faure, C. A.-----	May 29, 1888
380,554	De Benardos, N.-----	Apr. 3, 1888	383,562	Faure, C. A.-----	May 29, 1888
380,765	Pendleton, J. M.-----	Apr. 10, 1888	383,575	Hunter, R. G.-----	May 29, 1888
380,922	Packer, R.-----	Apr. 10, 1888	383,757	Morris, H. G. and Salom, P. G.-----	May 29, 1888
380,925	Phelps, G. M.-----	Apr. 10, 1888	385,200	Reckenzaun, A.-----	June 26, 1888
380,989	Carpenter, H. H.-----	Apr. 10, 1888	385,254	Doyle, J.-----	June 26, 1888
381,941	Meserole, A. V.-----	May 1, 1888			

171. GENERATION.—74. BATTERIES—SECONDARY—APPLICATIONS.

No.	NAME.	DATE.	No.	NAME.	DATE.
367,630	Hochhausen, W.-----	Aug. 2, 1887	382,599	Faure, C. A.-----	May 8, 1888
371,893	King, F.-----	Oct. 18, 1887	383,502	Timmis, I. A. and Currie, S. C. C	May 29, 1888
373,883	Conant, T. P.-----	Nov. 29, 1887	383,620	Byllesby, H. M.-----	May 29, 1888
374,673	Griseom, W. W.-----	Dec. 13, 1887	383,621	Byllesby, H. M.-----	May 29, 1888
376,116	Stevens, A. D.-----	Jan. 10, 1888	383,622	Byllesby, H. M.-----	May 29, 1888
378,115	Sellon, J. S.-----	Feb. 21, 1888	383,623	Byllesby, H. M.-----	May 29, 1888
378,527	Sellon, J. S.-----	Feb. 28, 1888	383,640	Gibson, C. D. P.-----	May 29, 1888
379,772	Edison, T. A.-----	Mar. 20, 1888	384,289	Sellon, J. S.-----	June 12, 1888
381,915	Dey, H. E.-----	May 1, 1888	384,447	Julien, E.-----	June 12, 1888

171. GENERATION.—73. BATTERIES—THERMAL.

369,219	Woolley, L. G.-----	Aug. 30, 1887	375,243	Acheson, E. G.-----	Dec. 20, 1887
375,242	Acheson, E. G.-----	Dec. 20, 1887	383,464	Gulcher, R. J.-----	May 29, 1888

171. GENERATION.—23. FRICTION GENERATORS.

368,088	Hinds, C. H.-----	Aug. 9, 1872	383,105	Culp, J. D.-----	May 22, 1888
383,098	Culp, J. D.-----	May 22, 1888			

171. GENERATION.—95. * GALVANOMETERS.

366,305	Cox, H. B.-----	July 12, 1887	383,095	Bristol, W. H. and Geyer, W. E.	May 22, 1888
366,409	Lange, P.-----	July 12, 1887	383,444	Crompton, R. E. B. and Kapp, G	May 29, 1888
366,410	Lange, P. and Shallenberger, O. B	July 12, 1887	383,649	Lange, P.-----	May 29, 1888
366,824	Forbes, G.-----	July 19, 1887	383,665	Shallenberger, O. B.-----	May 29, 1888
371,720	Waddell, M.-----	Oct. 18, 1887	383,666	Shallenberger, O. B.-----	May 29, 1888
371,958	Markland, W. H.-----	Oct. 25, 1887	383,667	Shallenberger, O. B.-----	May 29, 1888
372,851	Kelly, J. F.-----	Nov. 8, 1887	383,668	Shallenberger, O. B.-----	May 29, 1888
373,010	Byllesby, H. M.-----	Nov. 8, 1887	383,669	Shallenberger, O. B.-----	May 29, 1888
378,029	Warner, E. P.-----	Feb. 14, 1888	383,670	Shallenberger, O. B.-----	May 29, 1888
381,736	Weston, E.-----	Apr. 24, 1888	383,671	Shallenberger, O. B.-----	May 29, 1888
381,780	Hayes, H. V.-----	Apr. 24, 1888	383,672	Shallenberger, O. B.-----	May 29, 1888
382,914	Tregoning, J.-----	May 15, 1888			

171. GENERATION.—27. INDUCTION-COILS.

366,347	Schmid, A.-----	July 12, 1887	376,018	Whitney, E. R.-----	Jan. 3, 1888
366,362	Westinghouse, G., jr.-----	July 12, 1887	377,872	Ten Broeck, T. R.-----	Feb. 14, 1888
366,375	Byllesby, H. M.-----	July 12, 1887	378,320	Kennedy, R.-----	Feb. 21, 1888
366,344	Westinghouse, G., jr.-----	July 12, 1887	378,321	Kennedy, R.-----	Feb. 21, 1888
371,524	Smith, E.-----	Oct. 11, 1887	380,138	Ries, E. E.-----	Mar. 27, 1888
371,755	Hard, J. R.-----	Oct. 18, 1887	382,282	Tesla, N.-----	May 1, 1888
373,029	Shallenberger, O. B.-----	Nov. 8, 1887	10,907	Eisenhart, C. A. (Reis. of 331,121)	Mar. 6, 1888
373,038	Westinghouse, G., jr., Byllesby, H. M., Shallenberger, O. B., and Schmid, A.-----	Nov. 8, 1887			

171. GENERATION.—33. MAGNETO-ELECTRIC.

366,941	Easton, J. W.-----	July 19, 1887	373,948	Scribner, C. E.-----	Nov. 29, 1887
367,080	Wightman, M. J. and Urban, O.	July 26, 1887	373,971	Easton, J. W.-----	Nov. 29, 1887
367,471	Thomson, E.-----	Aug. 2, 1887	374,621	Patten, F. J.-----	Dec. 13, 1887
367,866	Thomson, E.-----	Aug. 9, 1887	374,711	Slater, H. B.-----	Dec. 13, 1887
367,934	Shallenberger, O. B.-----	Aug. 9, 1887	374,728	Bliss, E. N.-----	Dec. 13, 1887
369,400	Eiekemeyer, R.-----	Sept. 6, 1887	374,778	Congdon, A. F.-----	Dec. 13, 1887
370,794	Lahmeyer, W.-----	Oct. 4, 1887	374,858	Westinghouse, G., jr., Byllesby, H. M., Shallenberger, O. B., Schmid, A., and Hartley, B.	Dec. 13, 1887
372,447	Batehelor, C.-----	Nov. 1, 1887			
372,822	Sprague, F. J.-----	Nov. 8, 1887			
372,934	Shallenberger, O. B.-----	Nov. 8, 1887	374,959	Gray, J.-----	Dec. 20, 1887
372,935	Shallenberger, O. B.-----	Nov. 8, 1887	375,408	Acheson, E. G.-----	Dec. 27, 1887
372,945	Stanley, W., jr.-----	Nov. 8, 1887	375,542	Eiekemeyer, R.-----	Dec. 27, 1887
373,034	Walter, H. E.-----	Nov. 8, 1887	375,750	Humans, W.-----	Jan. 3, 1888
373,145	Main, W.-----	Nov. 15, 1887	376,307	Jehl, F.-----	Jan. 10, 1888
373,146	Main, W.-----	Nov. 15, 1887	376,326	Lemp, H.-----	Jan. 10, 1888
373,584	Edison, T. A.-----	Nov. 22, 1887	377,046	O'Beirne, E. J.-----	Jan. 31, 1888

* Galvanometers transferred from Special Applications to Generation.

171. GENERATION.—33. MAGNETO-ELECTRIC—Continued.

No.	NAME.	DATE.	No.	NAME.	DATE.
377,683	Mather, R. H.	Feb. 7, 1888	382,335	Thomson, E.	May 8, 1888
377,996	Eickemeyer, R.	Feb. 14, 1888	382,845	Tesla, N.	May 15, 1888
378,375	Rechniewski, W. C.	Feb. 21, 1888	383,113	Easton, J. W.	May 22, 1888
378,456	Moses, O. A.	Feb. 28, 1888	383,114	Easton, J. W.	May 22, 1888
378,892	Loomis, O. P.	Mar. 6, 1888	383,320	Poland, L. N. P.	May 22, 1888
379,037	Urban, O. and Wightman, M. J.	Mar. 6, 1888	383,565	Fisher, F. E.	May 29, 1888
379,284	Rice, L. C.	Mar. 13, 1888	383,567	Fisher, F. E.	May 29, 1888
379,689	Deprez, M.	Mar. 20, 1888	383,617	Byllesby, H. M.	May 29, 1888
379,944	Edison, T. A.	Mar. 27, 1888	383,619	Byllesby, H. M.	May 29, 1888
380,020	Card, G. F.	Mar. 27, 1888	383,648	Lange, P.	May 29, 1888
380,115	Heisler, C.	Mar. 27, 1888	383,657	Schmid, A.	May 29, 1888
380,144	Sprague, F. J.	Mar. 27, 1888	383,658	Schmid, A.	May 29, 1888
380,620	Crowdus, W. A. and Sutton, H. M.	Apr. 3, 1888	383,659	Schmid, A. and Byllesby, H. M.	May 29, 1888
380,702	Slater, H. P.	Apr. 10, 1888	383,662	Shallenberger, O. B.	May 29, 1888
381,394	Loomis, O. P.	Apr. 17, 1888	383,663	Shallenberger, O. B.	May 29, 1888
381,421	Ries, E. E.	Apr. 17, 1888	383,664	Shallenberger, O. B.	May 29, 1888
381,451	Wenström, J.	Apr. 17, 1888	383,679	Westinghouse, G., jr.	May 29, 1888
381,568	Mather, R. H.	Apr. 24, 1888	383,832	Stanley, W., jr.	May 29, 1888
381,636	Müller, M. A.	Apr. 24, 1888	384,077	Riker, A. L.	June 5, 1888
381,700	Kelly, J. F.	Apr. 24, 1888	384,638	Oliver, R.	June 19, 1888
381,789	Immisch, M.	Apr. 24, 1888	384,816	Wood, J. J.	June 19, 1888
382,174	Mackie, R.	May 1, 1888	385,068	Reckenzaun, A.	June 26, 1888

171. GENERATION.—76. MAGNETO-ELECTRIC—HAND-MACHINES.

375,751	Humans, W.	Jan. 3, 1888	383,016	Scribner, C. E.	May 15, 1888
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171. GENERATION.—34. METERS.

365,792	Cauderay, J.	July 5, 1887	374,861	Avon, H.	Dec. 13, 1887
366,202	Cauderay, J.	July 12, 1887	375,342	Stern, W. A.	Dec. 27, 1887
366,268	Stanley, W., jr.	July 12, 1887	381,441	Thomson, E.	Apr. 17, 1888
370,123	Edison, T. A.	Sept. 20, 1887	381,442	Thomson, E.	Apr. 17, 1888
371,559	Dyer, R. N.	Oct. 18, 1887	381,443	Thomson, E.	Apr. 17, 1888
372,358	Cauderay, J.	Nov. 1, 1887	381,480	Mott, S. D.	Apr. 17, 1888
373,975	Hammond, B. M.	Nov. 29, 1887	383,678	Westinghouse, G., jr.	May 29, 1888
374,860	Avon, H.	Dec. 13, 1887	383,680	Westinghouse, G., jr. and Lange, P.	May 29, 1888

171. GENERATION.—40. REGULATORS.

366,267	Stanley, W., jr.	July 12, 1887	374,872	Hochhausen, W.	Dec. 13, 1887
366,349	Shallenberger, O. B.	July 12, 1887	375,910	Zipernowsky, K. and Deri, M.	Jan. 3, 1888
367,470	Thomson, E.	Aug. 2, 1887	376,120	Thomson, E.	Jan. 10, 1888
369,655	Place, E.	Sept. 6, 1887	377,684	Mather, R. H.	Feb. 7, 1888
369,754	Thomson, E.	Sept. 13, 1887	377,884	Crowdus, W. A. and Sutton, H. M.	Feb. 14, 1888
370,573	Thomson, E.	Sept. 27, 1887	378,547	Hill, W. S.	Feb. 28, 1888
370,575	Van Rysselberghe, F.	Sept. 27, 1887	379,771	Edison, T. A.	Mar. 20, 1888
371,536	Amet, E. H.	Oct. 18, 1887	379,956	Heisler, C.	Mar. 27, 1888
372,201	Brown, C. E. L.	Oct. 25, 1887	381,254	Knowles, E. R.	Apr. 17, 1888
372,231	Meston, A. W.	Oct. 25, 1887	381,398	Mather, R. H.	Apr. 17, 1888
372,860	Montanus, G.	Nov. 8, 1887	382,336	Thomson, E.	May 8, 1888
372,369	Jenney, C. D.	Nov. 15, 1887	383,618	Byllesby, H. M.	May 29, 1888
373,739	Higham, D.	Nov. 22, 1887	383,651	Mather, R. H.	May 29, 1888
373,859	Sellon, R. P. and Mordey, W. M.	Nov. 29, 1887	383,857	Brush, C. F.	June 5, 1888
374,406	Higham, D.	Dec. 6, 1887	384,117	Baxter, W., jr.	June 5, 1888

171. GENERATION.—97. SYSTEMS OF DISTRIBUTION.

365,978	Edison, T. A.	July 5, 1887	370,434	Wessel, F. A.	Sept. 27, 1887
366,376	Byllesby, H. M. and Shallenberger, O. B.	July 12, 1887	372,330	Rice, E. W., jr.	Nov. 1, 1887
366,523	Stanley, W., jr.	July 12, 1887	372,501	Thomson, E.	Nov. 1, 1887
367,469	Thomson, E.	Aug. 2, 1887	372,797	Howell, J. W.	Nov. 8, 1887
369,280	Edison, T. A.	Aug. 30, 1887	372,798	Howell, J. W.	Nov. 8, 1887
369,439	Edison, T. A.	Sept. 6, 1887	372,799	Howell, J. W.	Nov. 8, 1887
369,441	Edison, T. A.	Sept. 6, 1887	372,936	Shallenberger, O. B.	Nov. 8, 1887
369,442	Edison, T. A.	Sept. 6, 1887	372,943	Stanley, W., jr.	Nov. 8, 1887
369,443	Edison, T. A.	Sept. 6, 1887	372,944	Stanley, W., jr.	Nov. 8, 1887
			373,009	Byllesby, H. M.	Nov. 8, 1887

171. GENERATION.—97. SYSTEMS OF DISTRIBUTION—Continued.

No.	NAME.	DATE.	No.	NAME.	DATE.
373,035	Westinghouse, G., jr-----	Nov. 8, 1887	380,846	Belfield, R-----	Apr. 10, 1888
373,036	Westinghouse, G., jr-----	Nov. 8, 1887	380,946	Shallenberger, O. B. and Bylles- by, H. M.	Apr. 10, 1888
373,037	Westinghouse, G., jr-----	Nov. 8, 1887			
374,381	Waddell, M-----	Dec. 6, 1887	381,054	Byllesby, H. M. and Shallen- berger, O. B.	Apr. 10, 1888
377,488	Howell, J. W-----	Feb. 7, 1888			
377,994	Dickerson, E. N., jr-----	Feb. 14, 1888	381,420	Rice, E. W., jr-----	Apr. 17, 1888
378,432	Couant, T. P. and Latshaw, Z.	Feb. 28, 1888	381,794	Kennedy, R-----	Apr. 24, 1888
378,737	Spencer, T-----	Feb. 28, 1888	381,970	Tesla, N-----	May 1, 1888
378,738	Spencer, T-----	Feb. 28, 1888	382,415	Edison, T. A-----	May 8, 1888
379,073	Jehl, F-----	Mar. 6, 1888	383,520	Fritts, C. E-----	May 29, 1888
380,101	Edison, T. A-----	Mar. 27, 1888	383,661	Shallenberger, O. B-----	May 29, 1888
380,102	Edison, T. A-----	Mar. 27, 1888	385,020	Sunny, B. E-----	June 26, 1888
380,845	Belfield, R-----	Apr. 10, 1888	385,173	Edison, T. A-----	June 26, 1888

172. MOTIVE POWER.—9. CAR BRAKES.

367,627	Herrington, J-----	Aug. 2, 1887	370,894	Schlesinger, W. M-----	Oct. 4, 1887
367,685	Van Depoele, C. J-----	Aug. 2, 1887	371,655	Woods, G. T-----	Oct. 18, 1887
368,265	Woods, G. T-----	Aug. 16, 1887	372,598	Card, G. F-----	Nov. 1, 1887
369,917	Card, G. F-----	Sept. 13, 1887	376,709	Clute, N. J-----	Jan. 17, 1888

172. MOTIVE POWER.—15. DENTAL INSTRUMENTS.

368,948	Helmer, P-----	Aug. 30, 1887	374,580	Bomvill, W. G. A-----	Dec. 13, 1887
371,664	Brannan, J. and Stone, W. E-----	Oct. 18, 1887	10,940	Helmer, P----- (Reis. of 368,948.)	June 26, 1888
374,225	Whitefield, G. W-----	Dec. 6, 1887			

172. MOTIVE POWER.—75. LOCOMOTION.

367,069	Shaw, E. S-----	July 26, 1887	381,555	Hunter, R. M-----	Apr. 24, 1888
367,475	Van Depoele, C. J-----	Aug. 2, 1887	381,556	Hunter, R. M-----	Apr. 24, 1888
368,576	Euphrat, F-----	Aug. 23, 1887	381,585	Schlesinger, W. M-----	Apr. 24, 1888
370,283	Ries, E. E-----	Sept. 20, 1887	381,650	Short, S. H-----	Apr. 24, 1888
371,253	Daft, L-----	Oct. 11, 1887	381,907	Connolly, T. A. and A. A-----	May 1, 1888
371,336	Mansfield, G. W-----	Oct. 11, 1887	382,483	McDongall, W. M-----	May 8, 1888
371,936	Hartman, J., jr-----	Oct. 25, 1887	382,876	Hunter, R. M-----	May 15, 1888
373,046	Bidwell, B-----	Nov. 15, 1887	382,877	Hunter, R. M-----	May 15, 1888
374,236	Bentley, E. M-----	Dec. 6, 1887	382,990	Knight, W. H-----	May 15, 1888
375,876	Johnson, I. LaR-----	Jan. 3, 1888	383,273	Blake, H. T-----	May 22, 1888
376,429	Creighton, W. G-----	Jan. 17, 1888	383,274	Blake, H. T. and Sterling, C-----	May 22, 1888
376,567	Weems, D. G-----	Jan. 17, 1888	383,561	Faure, C. A-----	May 29, 1888
377,107	Hunter, R. M-----	Jan. 31, 1888	383,770	Ries, E. E. and Henderson, A. H-----	May 29, 1888
377,215	Schlesinger, W. M-----	Jan. 31, 1888	383,844	Woods, G. T-----	May 29, 1888
377,229	Bentley, E. M-----	Jan. 31, 1888	384,562	Condict, G. H-----	June 12, 1888
377,230	Bentley, E. M-----	Jan. 31, 1888	384,576	Hunter, R. M-----	June 12, 1888
377,319	Mason, C. T-----	Jan. 31, 1888	384,580	Julien, E-----	June 12, 1888
377,622	Knight, W. H-----	Feb. 7, 1888	384,581	Julien, E-----	June 12, 1888
378,259	Mason, C. T-----	Feb. 21, 1888	384,594	Sevmour, H. A-----	June 12, 1888
378,864	Bauer, A. H-----	Mar. 6, 1888	384,685	Field, S. D-----	June 19, 1888
378,980	Schlesinger, W. M-----	Mar. 6, 1888	384,775	Mengis, M. C-----	June 19, 1888
379,069	Hopkins, W. W-----	Mar. 6, 1888	384,901	Foster, H. A-----	June 19, 1888
379,070	Hopkins, W. W-----	Mar. 6, 1888	384,908	Hunter, R. M-----	June 19, 1888
379,081	Short, S. H-----	Mar. 6, 1888	384,909	Hunter, R. M-----	June 19, 1888
379,509	Enos, J. A-----	Mar. 13, 1888	384,910	Hunter, R. M-----	June 19, 1888
379,815	Ries, E. E-----	Mar. 20, 1888	384,911	Hunter, R. M-----	June 19, 1888
379,816	Ries, E. E. and Henderson, A. H-----	Mar. 20, 1888	384,912	Huuter, R. M-----	June 19, 1888
379,909	Ries, E. E-----	Mar. 20, 1888	384,934	Hunter, R. M-----	June 19, 1888
380,060	Speed, F. M-----	Mar. 27, 1888	385,034	Woods, G. T-----	June 26, 1888
380,103	Field, S. D-----	Mar. 27, 1888	385,033	Hunter, R. M-----	June 26, 1888
380,469	Whipple, S. A-----	Apr. 3, 1888	385,054	Hunter, R. M-----	June 26, 1888
380,879	Field, S. D-----	Apr. 10, 1888	385,055	Hunter, R. M-----	June 26, 1888
380,880	Field, S. D-----	Apr. 10, 1888	385,097	Condict, G. H-----	June 26, 1888
381,048	Wyune, F-----	Apr. 10, 1888	385,180	Huuter, R. M-----	June 26, 1888
381,395	Love, J. C-----	Apr. 17, 1888			

172. MOTIVE POWER.—36. MOTORS.

No.	NAME.	DATE.	No.	NAME.	DATE.
366,021	Paine, H. M.-----	July 5, 1887	375,676	Julien, E.-----	Dec. 27, 1887
367,651	Meston, A. W.-----	Aug. 2, 1887	377,217	Thomson, E.-----	Jan. 31, 1888
368,405	Marvin, H. N.-----	Aug. 16, 1887	377,255	Higham, D.-----	Jan. 31, 1888
368,406	Marvin, H. N.-----	Aug. 16, 1887	379,466	Higham, D.-----	Mar. 13, 1888
370,000	Wheeler, S. S.-----	Sept. 13, 1887	379,467	Higham, D.-----	Mar. 13, 1888
371,331	Kornmüller, G.-----	Oct. 11, 1887	379,802	McLaughlin, J. F.-----	Mar. 20, 1888
371,436	Daft, L.-----	Oct. 11, 1887	380,100	Edison, T. A.-----	Mar. 27, 1888
371,448	Fisher, F. E.-----	Oct. 11, 1887	381,222	Diehl, P.-----	Apr. 17, 1888
372,828	Sprague, F. J.-----	Nov. 8, 1887	381,228	Fiske, B. A.-----	Apr. 17, 1888
372,910	Higham, D.-----	Nov. 8, 1887	381,768	Field, S. D.-----	Apr. 24, 1888
373,108	Thomson, E.-----	Nov. 15, 1887	381,856	Sibley, C. C.-----	Apr. 24, 1888
374,871	Hochhausen, W.-----	Dec. 13, 1887	382,589	Card, G. F.-----	May 8, 1888
374,883	Van Hoevenbergh, H.-----	Dec. 13, 1887	382,714	Mather, R. H.-----	May 15, 1888
374,910	Stanley, W., jr.-----	Dec. 13, 1887	382,715	Mather, R. H.-----	May 15, 1888
375,255	Blades, H. H.-----	Dec. 20, 1887	383,564	Fisher, F. E.-----	May 29, 1888
375,560	McLaughlin, J. F.-----	Dec. 27, 1887			

172. MOTIVE POWER.—8. STEERING AND PROPULSION.

368,796	Trouvé, G.-----	Aug. 23, 1887	385,259	Fiske, B. A.-----	June 26, 1888
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172. MOTIVE POWER.—83. TRANSMISSION OF POWER.

370,125	Edison, T. A.-----	Sept. 20, 1887	370,131	Edison, T. A.-----	Sept. 20, 1887
370,126	Edison, T. A.-----	Sept. 20, 1887	381,968	Tesla, N.-----	May 1, 1888
370,127	Edison, T. A.-----	Sept. 20, 1887	381,969	Tesla, N.-----	May 1, 1888
370,128	Edison, T. A.-----	Sept. 20, 1887	382,279	Tesla, N.-----	May 1, 1888
370,129	Edison, T. A.-----	Sept. 20, 1887	382,280	Tesla, N.-----	May 1, 1888
370,130	Edison, T. A.-----	Sept. 20, 1887	382,281	Tesla, N.-----	May 1, 1888

173. CONDUCTORS.—13. CONDUCTORS.

366,174	Krnesi, J.-----	July 5, 1887	375,952	Requa, L. F.-----	Jan. 3, 1888
366,209	Duvelius, A. L.-----	July 12, 1887	376,818	Egleston, T.-----	Jan. 24, 1888
366,289	Zimmerman, W. P.-----	July 12, 1887	377,118	Scheffbauer, R.-----	Jan. 31, 1888
366,361	Westinghouse, G., jr.-----	July 12, 1887	377,397	Ludlow, W. I.-----	Feb. 7, 1888
366,654	Duby, J. M. and Edmester, J. L.-----	July 19, 1887	378,175	Patterson, W. R.-----	Feb. 21, 1888
367,548	Reed, T. S.-----	Aug. 2, 1887	379,535	Hewitt, W.-----	Mar. 13, 1888
367,734	Widdicombe, R. H.-----	Aug. 2, 1887	380,053	Sawyer, W. H.-----	Mar. 27, 1888
368,149	Higgins, P. J.-----	Aug. 9, 1887	380,054	Sawyer, W. H.-----	Mar. 27, 1888
368,987	Wheeler, S. S.-----	Aug. 30, 1887	380,157	Acheson, E. G.-----	Mar. 27, 1888
369,121	Patterson, W. R.-----	Aug. 30, 1887	380,158	Acheson, E. G. and Anderson, B. F.-----	Mar. 27, 1888
369,122	Patterson, W. R.-----	Aug. 30, 1887	380,295	Phillips, W. A.-----	Mar. 27, 1888
369,238	Emminger, D. P.-----	Aug. 30, 1887	382,781	Thomas, J. D.-----	May 15, 1888
369,793	Jaques, J. T.-----	Sept. 13, 1887	383,097	Brooks, D., jr.-----	May 22, 1888
370,528	Borel, F.-----	Sept. 27, 1887	383,919	Splitdorf, H.-----	June 5, 1888
373,394	Dolbear, A. E.-----	Nov. 15, 1887	384,404	Thomas, J. D.-----	June 12, 1888
374,948	Eckert, T. T.-----	Dec. 20, 1887			

173. CONDUCTORS.—94. CONDUCTORS—LEAD-COVERED.

369,320	Dalzell, J. H.-----	Sept. 6, 1887	374,164	Appleby, J. C.-----	Dec. 6, 1887
369,372	Turner, T. G.-----	Sept. 6, 1887	374,166	Appleby, J. C.-----	Dec. 6, 1887
369,592	Dalzell, J. H.-----	Sept. 6, 1887	380,610	Van Gestel, J. T.-----	Apr. 3, 1888
369,593	Dalzell, J. H.-----	Sept. 6, 1887	382,767	Patterson, W. R.-----	May 15, 1888
369,594	Dalzell, J. H.-----	Sept. 6, 1887	382,768	Patterson, W. R.-----	May 15, 1888
372,550	McKnight, E.-----	Nov. 1, 1887			

173. CONDUCTORS.—70. CONDUCTORS—UNDERGROUND.

366,173	Krnesi, J.-----	July 5, 1887	369,813	Rader, G.-----	Sept. 13, 1887
366,195	Arnold, S. W. and Cranmer, W. C.-----	July 12, 1887	370,955	Le Vin, G. W.-----	Oct. 4, 1887
366,457	Chenoweth, A. C.-----	July 12, 1887	371,111	Wallace, T.-----	Oct. 4, 1887
366,811	Bolgiano, G. C.-----	July 19, 1887	371,202	Lynch, J.-----	Oct. 11, 1887
367,768	Sutton, G. D.-----	Aug. 2, 1887	371,965	Munsie, J. F.-----	Oct. 25, 1887

173. CONDUCTORS.—70. CONDUCTORS—UNDERGROUND.—Continued.

No.	NAME.	DATE.	No.	NAME.	DATE.
373,289	Hart, W. H.-----	Nov. 15, 1887	378,801	Muckle, M. R., jr-----	Feb. 28, 1888
374,348	Cook, G. W.-----	Dec. 6, 1887	378,802	Muckle, M. R., jr-----	Feb. 28, 1888
374,458	Davis, J. P.-----	Dec. 6, 1887	379,408	Muckle, M. R., jr-----	Mar. 13, 1888
374,738	Greene, E. E.-----	Dec. 13, 1887	379,532	Farnham, I. H.-----	Mar. 13, 1888
374,792	Holt, G. D.-----	Dec. 13, 1887	380,757	Hart, W. H. and Goodfellow, J. T	Apr. 10, 1888
376,562	Van Buren, R. and Powers, J. J	Jan. 17, 1888	381,653	Steel, J.-----	Apr. 24, 1888
376,893	Lindemann, E. C.-----	Jan. 24, 1888	382,726	Patterson, W. R.-----	May 15, 1888
378,021	Silliman, R. F.-----	Feb. 14, 1888	382,778	Smith, W. F.-----	May 15, 1888
378,560	Waring, R. S.-----	Feb. 28, 1888	382,829	Patterson, W. R.-----	May 15, 1888
378,561	Waring, R. S.-----	Feb. 28, 1888	383,756	Morris, H. G.-----	May 29, 1888

173. CONDUCTORS.—14. CONNECTORS.

367,931	Runels, C.-----	Aug. 9, 1887	373,759	Taylor, G. W.-----	Nov. 22, 1887
368,321	Bowe, P.-----	Aug. 16, 1887	374,199	Orcutt, E. L.-----	Dec. 6, 1887
368,650	Carpenter, J. F.-----	Aug. 23, 1887	374,843	Lauge, P.-----	Dec. 13, 1887
368,654	Crosby, E. H.-----	Aug. 23, 1887	375,280	Forbes, F. A.-----	Dec. 20, 1887
368,764	Hammer, W. J.-----	Aug. 23, 1887	375,295	Kissel, A.-----	Dec. 20, 1887
370,605	Carpenter, J. F.-----	Sept. 27, 1887	378,517	Orcutt, E. L.-----	Feb. 28, 1888
371,161	Adams, T. E.-----	Oct. 11, 1887	379,221	Hering, C.-----	Mar. 13, 1888
371,808	Waring, R. S.-----	Oct. 18, 1887	379,598	Otto, G.-----	Mar. 20, 1888
371,840	Hefner, S. and Phillips, J. H.	Oct. 18, 1887	380,647	De Mier, J. R.-----	Apr. 3, 1888
372,579	Tafflinger, C. E.-----	Nov. 1, 1887	380,829	Swarts, H. J.-----	Apr. 10, 1888
372,599	Card, G. F.-----	Nov. 1, 1887	385,215	Stitzel, F. and Weinedel, C.---	June 26, 1888
372,637	Pond, F. S.-----	Nov. 1, 1887			

173. CONDUCTORS.—28. INSULATORS.

367,164	Ruger, H. K.-----	July 26, 1887	375,276	Emery, E. C.-----	Dec. 20, 1887
368,284	Fletcher, J. R.-----	Aug. 16, 1887	378,971	Neal, L. M.-----	Mar. 6, 1888
369,447	Greenfield, E. T.-----	Sept. 6, 1887	383,734	Keyes, F. E.-----	May 29, 1888

173. CONDUCTORS.—31. LIGHTNING RODS.

367,348	Mast, L. L.-----	July 26, 1887	375,756	Lawshe, S. R.-----	Jan. 3, 1888
367,435	O'Brien, D.-----	Aug. 2, 1887	377,742	Daniels, E. O.-----	Feb. 14, 1888
369,915	Brown, W.-----	Sept. 13, 1887	384,384	Nelson, C. B.-----	June 12, 1888
373,407	Kress, G. R.-----	Nov. 15, 1887	385,095	Cockrell, A.-----	June 26, 1888

173. CONDUCTORS.—43. RHEOSTATS.

368,596	Knight, W. H.-----	Aug. 23, 1887	381,304	Weston, E.-----	Apr. 17, 1888
368,804	Baker, C. D.-----	Aug. 23, 1887	381,305	Weston, E.-----	Apr. 17, 1888
371,937	Hartman, J., jr-----	Oct. 25, 1887	383,345	Crouch, F. J.-----	May 22, 1888
372,012	Colburn, I. W.-----	Oct. 25, 1887	383,647	Lange, P.-----	May 29, 1888
374,404	Field, S. D.-----	Dec. 6, 1887	383,913	Rice, E. W., jr-----	June 5, 1888
375,328	Baker, C. D.-----	Dec. 27, 1887	384,044	Knight, W. H.-----	June 5, 1888
375,403	Waterhouse, A. G.-----	Dec. 27, 1887	385,001	Paekard, J. W.-----	June 26, 1888

174. MEDICAL AND SURGICAL.—87. BATHS.

366,164	Gillam, M. M.-----	July 5, 1887	380,261	Jackson, R. F. and Pope, W. R.	Mar. 27, 1888
367,341	Fuller, L. B.-----	July 26, 1887	383,794	Brown, C. T.-----	May 29, 1888

174. MEDICAL AND SURGICAL.—88. BODY WEAR.

366,058	Williams, R. E. and Hammer, T. G.	July 5, 1887	373,044	Bennett, G. S.-----	Nov. 15, 1887
366,777	Judd, C. B.-----	July 19, 1887	373,088	Morehouse, M. A.-----	Nov. 15, 1887
368,546	Owen, A.-----	Aug. 16, 1887	376,730	Bushfield, S. B.-----	Jan. 24, 1888
371,189	Fullerton, G. A.-----	Oct. 11, 1887	377,218	Totman, G. W. and P. C.-----	Jan. 31, 1888
371,356	Pierce, W. L. L.-----	Oct. 11, 1887	380,568	Harness, C. B.-----	Apr. 3, 1888
371,521	Rowell, H. N.-----	Oct. 11, 1887	381,260	Leighton, J. T.-----	Apr. 17, 1888
372,647	Williams, J.-----	Nov. 1, 1887	381,953	Reitler, C. W.-----	May 1, 1888
372,808	Kneuper, F. J.-----	Nov. 8, 1887	383,899	Murphy, E. J. and Floyd, J.---	June 5, 1888
			384,561	Busch, C.-----	June 12, 1888

174. MEDICAL AND SURGICAL.—89. ELECTRODES.

No.	NAME.	DATE.	No.	NAME.	DATE.
373,399	Hamilton, J. R.-----	Nov. 15, 1887	375,835	Robinson, E. W., O'Brien, C. H. and Breen, H. M.	Jan. 3, 1888
374,747	Muir, J. S.-----	Dec. 13, 1887	382,811	Horst, P.-----	May 15, 1888

175. SPECIAL APPLICATIONS.—4. APPLICATIONS—GENERAL.

366,660	Gardner, H. R.-----	July 19, 1887	378,668	Exley, R.-----	Feb. 28, 1888
367,422	Mellett, L.-----	Aug. 2, 1887	380,842	Williamson, J. R. and Hickies, W. W.	Apr. 10, 1888
367,541	Mellett, L. and Prince, J.-----	Aug. 2, 1887			
372,168	Oliver, W.-----	Oct. 25, 1887	382,734	Russ, N. W.-----	May 15, 1888
372,441	Williams, P. G. and Roovers, A. W.	Nov. 1, 1887	382,941	Bentley, E. M.-----	May 15, 1888
			384,152	Greaves, J.-----	June 5, 1888
372,824	Sprague, F. J.-----	Nov. 8, 1887	385,211	Sprague, F. J.-----	June 26, 1888
374,495	Pope, W. R.-----	Dec. 6, 1887			

175. SPECIAL APPLICATIONS.—5. APPLICATIONS—TOOLS AND MACHINES.

368,445	Baldwin, C. W.-----	Aug. 16, 1887	376,541	Mergenthaler, O.-----	Jan. 17, 1888
371,199	Kimball, A. S. and Brownell, G. L.	Oct. 11, 1887	377,413	Smith, R. T.-----	Feb. 7, 1888
372,361	Daft, L.-----	Nov. 1, 1887	381,492	Blickensderfer, G. C. and Hal- lock, J. K.	Apr. 17, 1888

175. SPECIAL APPLICATIONS.—21. ELECTRO-MAGNETS.

366,408	Lange, P.-----	July 12, 1887	376,630	Brush, C. F.-----	Jan. 17, 1888
375,749	Humans, W.-----	Jan. 3, 1888	384,321	Mallett, E. J.-----	June 12, 1888

175. SPECIAL APPLICATIONS.—21. ELECTRO-MAGNETS—MACHINES FOR WINDING.

375,697	Easton, J. W.-----	Dec. 27, 1887	377,997	Eickemeyer, R.-----	Feb. 14, 1888
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175. SPECIAL APPLICATIONS.—16. HEATERS.

369,432	Buckelew, A. H.-----	Sept. 6, 1887	381,815	Ries, E. E.-----	Apr. 24, 1888
370,282	Ries, E. E.-----	Sept. 20, 1887	381,816	Ries, E. E.-----	Apr. 24, 1888
375,022	Thomson, E.-----	Dec. 20, 1887	381,817	Ries, E. E.-----	Apr. 24, 1888
375,784	Thomson, E.-----	Jan. 3, 1888	381,818	Ries, E. E.-----	Apr. 24, 1888
375,915	Barrett, J. P. and Mehren, J. F.	Jan. 3, 1888	381,819	Ries, E. E.-----	Apr. 24, 1888
379,453	De Benardos, N.-----	Mar. 13, 1888	385,022	Thomson, E.-----	June 26, 1888
379,822	Seiler, C.-----	Mar. 20, 1888			

175. SPECIAL APPLICATIONS.—92. IGNITING DEVICES.

367,841	Perkins, G. F. and Hurley, J. P.	Aug. 9, 1887	378,677	Holtzer, C. W.-----	Feb. 28, 1888
370,801	McGowen, J. J.-----	Oct. 4, 1887	379,396	Hogan, G. L.-----	Mar. 13, 1888
374,528	Entz, J. B.-----	Dec. 6, 1887	379,977	Parke, J. Y.-----	Mar. 27, 1888
375,118	Bosworth, C. B.-----	Dec. 20, 1887	381,440	Thaxter, G. E.-----	Apr. 17, 1888
375,414	Doering, W. H.-----	Dec. 27, 1887	382,001	Holtzer, C. W.-----	May 1, 1888
375,614	Eickemeyer, R.-----	Dec. 27, 1887	382,231	Hen, L. and Weinmann, R.-----	May 1, 1888
377,505	White, L. S.-----	Feb. 7, 1888	382,249	Bailey, E. E.-----	May 1, 1888
377,553	Finck, J.-----	Feb. 7, 1888	384,796	Tag, W. and Smith, S. C.-----	June 19, 1888

175. SPECIAL APPLICATIONS.—25. INCRUSTATION.

376,579	Burcey, C. J. T.-----	Jan. 17, 1888	385,145	Siebel, J. E.-----	June 26, 1888
383,795	Bull, W. B.-----	May 29, 1888			

175. SPECIAL APPLICATIONS.—93. MAGNETIC LOCKS AND BOLTS.

368,212	Hornaday, T. B.-----	Aug. 16, 1887	374,028	Woehrl, A. C.-----	Nov. 29, 1887
372,026	Kintner, C. J.-----	Oct. 25, 1887	376,121	Tucker, C. A.-----	Jan. 10, 1888
372,027	Kintner, C. J.-----	Oct. 25, 1887	381,725	Schneider, J.-----	Apr. 24, 1888
372,028	Kintner, C. J.-----	Oct. 25, 1887	384,856	Kintner, C. J.-----	June 19, 1888
372,029	Kintner, C. J.-----	Oct. 25, 1887			

175. SPECIAL APPLICATIONS.—90. SEPARATORS.

No.	NAME.	DATE.	No.	NAME.	DATE.
373,211	Wenström, J.-----	Nov. 15, 1887	383,918	Smith, M. H.-----	June 5, 1888
377,518	Edison, T. A.-----	Feb. 7, 1888	384,035	Hamilton, J. B.-----	June 5, 1888
383,863	Conkling, G.-----	June 5, 1888	384,645	Smith, M. H.-----	June 19, 1888

175. SPECIAL APPLICATIONS.—84. VALVE CONTROLLERS.

366,324	Johnson, W. S.-----	July 12, 1887	375,001	Roosevelt, A.-----	Dec. 20, 1887
368,674	Kent, J. W. and Orr, R.-----	Aug. 23, 1887	376,651	Hexamer, C. J.-----	Jan. 17, 1888
369,801	Markland, W. H.-----	Sept. 13, 1887	380,817	Pritchard, F. E.-----	Apr. 10, 1888
370,007	Connelly, W. A.-----	Sept. 13, 1887	381,866	Weil, L.-----	Apr. 24, 1888
373,061	Easton, L. F.-----	Nov. 15, 1887	383,901	Neu, G. S.-----	June 5, 1888
374,072	Johnson, W. S.-----	Nov. 29, 1887	384,676	Brower, F. C.-----	June 19, 1888
374,374	Reynolds, W. H.-----	Dec. 6, 1887			

176. ELECTRIC LIGHTING.—80. CUT-OUTS—ELECTRO-MAGNETIC.

367,901	Freeman, J. P.-----	Aug. 9, 1887	374,652	Bosworth, C. B.-----	Dec. 13, 1887
369,436	Depuy, A. B.-----	Sept. 6, 1887	380,114	Heisler, C.-----	Mar. 27, 1888
374,017	Tirrell, J. P.-----	Nov. 29, 1887	382,625	Stitzel, F.-----	May 8, 1888

176. ELECTRIC LIGHTING.—79. CUT-OUTS—MECHANICAL.

366,407	Lange, P.-----	July 12, 1887	381,446	Von der Kammer, J.-----	Apr. 17, 1888
366,634	Macrae, R. and Tavener, C. F.-----	July 12, 1887	382,332	Stirling, C. C.-----	May 8, 1888
367,082	Wightman, M. J. and Lemp, H.-----	July 26, 1887	382,333	Stirling, C. C.-----	May 8, 1888
368,221	McDaniel, C. W.-----	Aug. 16, 1887	383,933	Wood, J. J.-----	June 5, 1888
376,976	Bergmann, S. and Dempster, J. T.-----	Jan. 24, 1888	384,116	Baxter, W., jr.-----	June 5, 1888
377,237	Cole, G. H.-----	Jan. 31, 1888	384,440	Greim, O. F.-----	June 12, 1888
379,501	Brann, F. W. and Kinney, G. I.-----	Mar. 13, 1888	385,023	Tracy, P. J.-----	June 26, 1888
381,269	Morse, P. C.-----	Apr. 17, 1888			

176. ELECTRIC LIGHTING.—78. CUT-OUTS—THERMAL.

366,350	Shallenberger, O. B.-----	July 12, 1887	375,476	Chamberlain, J. C.-----	Dec. 27, 1887
368,765	Hammer, W. J.-----	Aug. 23, 1887	377,073	Hibbard, A. S.-----	Jan. 31, 1888
369,889	Stoddard, N. F.-----	Sept. 13, 1887	380,766	Perkins, C. G. and Tregoning, J.-----	Apr. 10, 1888
374,842	Lange, P. and Shallenberger, O. B.-----	Dec. 13, 1887	383,891	Lemp, H. and Wightman, M. J.-----	June 5, 1888
			385,067	Perkins, C. G.-----	June 26, 1888

176. ELECTRIC LIGHTING.—17. LIGHTS—ARC.

369,640	Hauss, D. J.-----	Sept. 6, 1887	380,271	Adams, C. W.-----	Mar. 27, 1888
370,372	Thomson, E. and Rice, E. W., jr.-----	Sept. 27, 1887	380,435	Harding, A.-----	Apr. 3, 1888
377,615	Higgins, E. E. and James, J.-----	Feb. 7, 1888	380,545	Berton, C.-----	Apr. 3, 1888
379,792	Knowles, E. R.-----	Mar. 20, 1888	382,421	Fenner, R. E.-----	May 8, 1888
380,074	Adams, T. E.-----	Mar. 27, 1888			

176. ELECTRIC LIGHTING.—103. LIGHTS—ARC, GRAVITY FEED, FRICTIONAL.

366,613	Waterhouse, A. G.-----	July 12, 1887	373,934	Homans, C. A.-----	Nov. 29, 1887
366,614	Waterhouse, A. G.-----	July 12, 1887	374,129	Noble, C. B.-----	Nov. 29, 1887
369,349	Loomis, O. P.-----	Sept. 6, 1887	376,007	Miller, W. H.-----	Jan. 3, 1888
369,456	Lemp, H.-----	Sept. 6, 1887	383,411	Ohmart, E. C.-----	May 22, 1888
369,568	Street, W. W.-----	Sept. 6, 1887			

176. ELECTRIC LIGHTING.—104. LIGHTS—ARC, GRAVITY FEED, GEAR.

367,002	Homans, C. A.-----	July 19, 1887	373,761	Wiese, G. A.-----	Nov. 22, 1887
367,081	Wightman, M. J. and Lemp, H.-----	July 26, 1887	378,616	Poland, L. N. P.-----	Feb. 28, 1888
367,568	Wightman, M. J. and Lemp, H.-----	Aug. 2, 1887	378,818	Wightman, M. J. and Rasmus- sen, E.-----	Feb. 28, 1888
369,194	Loomis, O. P.-----	Aug. 30, 1887			
370,423	Skinner, J. J.-----	Sept. 27, 1887	384,817	Wood, J. J.-----	June 19, 1888
370,424	Skinner, J. J.-----	Sept. 27, 1887			

176. ELECTRIC LIGHTING.—105. LIGHTS—ARC, POSITIVE FEED.

No.	NAME.	DATE.	No.	NAME.	DATE.
366,938	Doubrava, S	July 19, 1887	372,986	Mathis, S	Nov. 8, 1887

176. ELECTRIC LIGHTING.—102. LIGHTS—FILAMENTS AND CARBONS.

366,353	Thompson, E. P.	July 12, 1887	370,998	Thompson, E. P.	Oct. 4, 1887
369,091	Bernstein, A.	Aug. 30, 1887	371,000	Thompson, E. P.	Oct. 4, 1887
369,267	Thompson, E. P.	Aug. 30, 1887	371,001	Thompson, E. P.	Oct. 4, 1887
369,664	Thompson, E. P.	Sept. 6, 1887	371,002	Thompson, E. P.	Oct. 4, 1887
369,666	Thompson, E. P.	Sept. 6, 1887	378,258	Mace, T.	Feb. 21, 1888
10,866	Lister, J. T. (Reis. of 347,247.)	Sept. 13, 1887	381,614	Clingman, T. L.	Apr. 24, 1888
370,124	Edison, T. A.	Sept. 20, 1887	382,560	Seel, C.	May 8, 1888
370,992	Thompson, E. P.	Oct. 4, 1887	383,484	Packard, J. W.	May 29, 1888
370,995	Thompson, E. P.	Oct. 4, 1887	383,602	Metzradt, H. J. von	May 29, 1888

176. ELECTRIC LIGHTING.—18. LIGHTS—INCANDESCENT.

366,352	Thompson, E. P.	July 12, 1887	374,850	Reinmann, C. F.	Dec. 13, 1887
366,673	Lemp, H. and Wightman, M. J.	July 19, 1887	376,323	Leber, L. H.	Jan. 10, 1888
368,857	Settle, M.	Aug. 23, 1887	379,770	Edison, T. A.	Mar. 20, 1888
370,993	Thompson, E. P.	Oct. 4, 1887	382,846	Thompson, E. P.	May 15, 1888
370,994	Thompson, E. P.	Oct. 4, 1887	383,150	Moses, O. A.	May 22, 1888
370,996	Thompson, E. P.	Oct. 4, 1887	383,616	Byllesby, H. M. and Lange, P.	May 29, 1888
370,997	Thompson, E. P.	Oct. 4, 1887	383,675	Thompson, E. P.	May 29, 1888
370,999	Thompson, E. P.	Oct. 4, 1887	383,676	Thompson, E. P.	May 29, 1888
374,224	Wheeler, M.	Dec. 6, 1887			

176. ELECTRIC LIGHTING.—98. LIGHTS—SOCKETS AND KEYS.

366,606	Pope, F. L., Byllesby, H. M. and Lange, P.	July 12, 1887	380,202	Heisler, C.	Mar. 27, 1888
371,570	Fisher, J. J.	Oct. 18, 1887	380,215	Moore, M. E.	Mar. 27, 1888
376,583	Colby, E. A.	Jan. 17, 1888	382,110	Reilly, C. P.	May 1, 1888
379,255	Thone, F.	Mar. 13, 1888	384,478	Spink, J. and Gauzentes, C.	June 12, 1888
379,842	Wilkes, G.	Mar. 20, 1888	384,815	Wood, J. J.	June 19, 1888
			385,039	Carey, W. A.	June 26, 1888

176. ELECTRIC LIGHTING.—19. LIGHTS—SYSTEMS AND APPLIANCES.

366,124	McElroy, J. F.	July 5, 1887	375,014	Slattery, M. M. M.	Dec. 20, 1887
366,292	Arnold, C. R.	July 12, 1887	375,117	Bergmann, S.	Dec. 20, 1887
366,374	Byllesby, H. M. and Lange, P.	July 12, 1887	375,702	Fasoldt, F. C.	Dec. 27, 1887
367,402	Irwin, J. H.	Aug. 2, 1887	376,423	Arnold, C. R.	Jan. 17, 1888
369,665	Thompson, E. P.	Sept. 6, 1887	376,617	Vance, S. B. H.	Jan. 17, 1888
370,052	Ferguson, A. C.	Sept. 20, 1887	378,358	Doubleday, H. M.	Feb. 21, 1888
371,003	Thompson, E. P.	Oct. 4, 1887	380,945	Shallenberger, O. B.	Apr. 10, 1888
371,915	Baker, C. D.	Oct. 25, 1887	382,272	Robb, J. T.	May 1, 1888
372,334	Sawyer, F. A.	Nov. 1, 1887	383,046	Doubleday, H. M.	May 15, 1888
372,940	Soden, F. H. and Goehst, H.	Nov. 8, 1887	383,158	Vance, S. B. H.	May 22, 1888
372,942	Stanley, W., jr.	Nov. 8, 1887	383,332	Vance, S. B. H.	May 22, 1888
373,452	Gennert, E. F.	Nov. 22, 1887	383,611	Belfield, R.	May 29, 1888

177. ELECTRIC SIGNALING.—1. ALARMS.

366,212	Galvin, J. A.	July 12, 1887	380,824	Schlepegrell, F. W.	Apr. 10, 1888
370,851	Berghausen, A.	Oct. 4, 1887	383,946	Ghegan, J. J.	June 5, 1888
371,626	Redl, C.	Oct. 18, 1887	384,200	Ghegan, J. J.	June 5, 1888
373,073	Joerke, W. G.	Nov. 15, 1887	384,212	Nolan, J.	June 5, 1888
378,876	Dooley, J. W.	Mar. 6, 1888	384,570	Grovesteen, M. W. and Jahn, F. G.	June 12, 1888

177. ELECTRIC SIGNALING.—2. ALARMS—BURGLAR.

367,523	Hough, B. F.	Aug. 2, 1887	381,852	Schuchman, A.	Apr. 24, 1888
368,336	Hathaway, A. E.	Aug. 16, 1887	382,439	Roome, H. C.	May 8, 1888
370,439	Yeakle, J. B. and Stuart, A.	Sept. 27, 1887	382,444	Taft, G. F.	May 8, 1888
379,144	Wright, C. H.	Mar. 6, 1888			

177. ELECTRIC SIGNALING.—3. ANNUNCIATORS.

No.	NAME.	DATE.	No.	NAME.	DATE.
365,935	O'Connell, J. J.-----	July 5, 1887	381,576	Parrish, M. W.-----	Apr. 24, 1888
367,332	Baxter, C.-----	July 26, 1887	381,709	Martin, M.-----	Apr. 24, 1888
367,925	Poole, W. C. and Sehnepf, J.-----	Aug. 9, 1887	381,738	Willis, J. B.-----	Apr. 24, 1888
369,672	Woolley, A. G.-----	Sept. 6, 1887	381,772	Geary, J.-----	Apr. 24, 1888
369,810	Patten, F. J.-----	Sept. 13, 1887	382,997	McTighe, T. J.-----	May 15, 1888
375,442	Cox, H. B.-----	Dec. 27, 1887	383,015	Scribner, C. E.-----	May 15, 1888
376,171	Tirrell, J. P.-----	Jan. 10, 1888	383,566	Fisher, F. E.-----	May 29, 1888
376,863	Cutting, W. H.-----	Jan. 24, 1888	383,725	Gill, W. E. and Segerdahl, R.-----	May 29, 1888
377,256	Hoffman, J. W.-----	Jan. 31, 1888	384,088	Scribner, C. E.-----	June 5, 1888
379,758	Botts, B. N.-----	Mar. 20, 1888	384,430	Downerd, H. S.-----	June 12, 1888
380,010	Young, C. S. and Painter, G. E.-----	Mar. 27, 1888			

177. ELECTRIC SIGNALING.—7. BELLS.

368,809	Carter, F. S.-----	Aug. 23, 1887	373,102	Sternberg, G. M.-----	Nov. 15, 1887
369,808	Noyes, J. G.-----	Sept. 13, 1887	375,544	Farnham, I. H.-----	Dec. 27, 1887
369,989	Jensen, H. P. F., Webb, B. W. and Jensen, J.-----	Sept. 13, 1887	377,539	Stocker, W. F.-----	Feb. 7, 1888
			377,916	Tirrell, J. P.-----	Feb. 14, 1888
370,831	Tirrell, J. P.-----	Oct. 4, 1887	378,124	Wetzler, J. and S.-----	Feb. 21, 1888
371,445	Glasgow, W. and Stevens, S. S.-----	Oct. 11, 1887	381,314	Wood, F. B.-----	Apr. 17, 1888
372,657	Cox, H. B.-----	Nov. 8, 1887	381,765	De Redon, C. F.-----	Apr. 24, 1888
373,043	Baker, J. M.-----	Nov. 15, 1887	381,823	Bickford, J. H.-----	Apr. 24, 1888

177. ELECTRIC SIGNALING.—26. INDICATORS.

371,583	Hobby, A. S.-----	Oct. 18, 1887	378,440	Guntz, G.-----	Feb. 28, 1888
372,247	Adams, A. F.-----	Oct. 25, 1887	381,279	Pruden, S. M.-----	Apr. 17, 1888
374,322	Ricketson, J. C.-----	Dec. 6, 1887	381,669	Bickford, J. H.-----	Apr. 24, 1888
376,281	Berghausen, A.-----	Jan. 10, 1888	383,583	McLaughlin, J. F.-----	May 29, 1888

177. ELECTRIC SIGNALING.—38. RAILWAY-SIGNALS.

367,598	Chase, E. M.-----	Aug. 2, 1887	377,344	Williams, C. W.-----	Jan. 31, 1888
368,066	Brown, I. H.-----	Aug. 9, 1887	377,026	Le Grande, W. W.-----	Feb. 7, 1888
369,929	Farrar, J. H.-----	Sept. 13, 1887	377,634	Nicholson, T. S.-----	Feb. 7, 1888
370,243	Chase, N. F.-----	Sept. 20, 1887	380,165	Bennett, A. W. and Millen, J. M.-----	Mar. 27, 1888
371,147	Milroy, P.-----	Oct. 4, 1887	380,316	Farrar, J. H.-----	Apr. 3, 1888
371,670	Chase, E. M.-----	Oct. 18, 1887	382,299	Gedge, B. H.-----	May 8, 1888
372,865	Pearce, F.-----	Nov. 8, 1887	382,515	De Redon, C. F.-----	May 8, 1888
374,198	Oreutt, E. L.-----	Dec. 6, 1887	384,810	Williams, T. D. and Lucock, J. S.-----	June 19, 1888
374,733	Currie, S. C. C.-----	Dec. 13, 1887	484,811	Williams, T. D. and Lucock, J. S.-----	June 19, 1888
375,063	Gibson, J. H.-----	Dec. 20, 1887	384,962	Currie, S. C. C.-----	June 26, 1888

177. ELECTRIC SIGNALING.—39. RECORDERS.

369,608	Molyneux, B. S.-----	Sept. 6, 1887	381,993	Fessenden, G. B.-----	May 1, 1888
371,640	Thompson, E. W.-----	Oct. 18, 1887	383,485	Palmer, A. C.-----	May 29, 1888
381,992	Fessenden, G. B.-----	May 1, 1888			

178. TELEGRAPHY.—46. AUTOMATIC.

366,229	Maiche, L.-----	July 12, 1887	373,967	Delany, P. B.-----	Nov. 29, 1887
367,219	McCoy, J. A.-----	July 26, 1887	374,038	Burke, C. G.-----	Nov. 29, 1887
371,980	Selden, C.-----	Oct. 25, 1887	379,016	Kunhardt, D.-----	Mar. 6, 1888
372,245	Watson, J. E.-----	Oct. 25, 1887	381,246	Hotchkiss, Z. P.-----	Apr. 17, 1888
372,475	Leggo, W. A.-----	Nov. 1, 1887			

178. TELEGRAPHY.—10. CIRCUIT-CLOSERS.

373,207	Tirrell, J. P.-----	Nov. 15, 1887	377,538	Stocker, W. F.-----	Feb. 7, 1888
374,036	Bosworth, C. B.-----	Nov. 29, 1887	379,062	Hamilton, E. M.-----	Mar. 6, 1888
375,238	Welch, M. M.-----	Dec. 20, 1887	380,382	Bullitt, L. McK. and Greene, O. C.-----	Apr. 3, 1888
376,071	Cole, W. R.-----	Jan. 10, 1888	385,041	Carey, W. A.-----	June 26, 1888
376,072	Cole, W. R.-----	Jan. 10, 1888			

178. TELEGRAPHY.—45. CIRCUITS AND SYSTEMS.

No.	NAME.	DATE.	No.	NAME.	DATE.
366,970	Melbourne, W. A -----	July 19, 1887	375,727	Bridger, H. C -----	Jan. 3, 1888
370,132	Edison, T. A -----	Sept. 20, 1887	377,110	Logue, W. S -----	Jan. 31, 1888
370,898	Selden, C -----	Oct. 4, 1887	377,879	Ader, C -----	Feb. 14, 1888
373,968	Delany, P. B -----	Nov. 29, 1887	381,764	Delany, P. B -----	Apr. 24, 1888

178. TELEGRAPHY.—48. DUPLEX.

375,898	Selden, C -----	Jan. 3, 1888	378,181	Selden, C -----	Feb. 21, 1888
377,374	Edison, T. A -----	Feb. 7, 1888			

178. TELEGRAPHY.—49. DYNAMO.

381,251	Jones, F. W -----	Apr. 17, 1888	381,839	Jones, F. W -----	Apr. 24, 1888
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178. TELEGRAPHY.—50. FIRE.

365,911	Eckert, W. H. and Seely, J. A -----	July 5, 1887	379,339	Stevens, G. M -----	Mar. 13, 1888
366,154	Chase, H. A -----	July 5, 1887	379,404	Lockwood, W. V -----	Mar. 13, 1888
367,205	Frost, J. W -----	July 26, 1887	380,022	Cole, F. W -----	Mar. 27, 1888
368,907	Burgher, C -----	Aug. 23, 1887	380,655	Martin, M -----	Apr. 3, 1888
370,328	Flanders, B. S -----	Sept. 20, 1887	380,778	Wilson, J. C -----	Apr. 10, 1888
370,885	Neeper, A. M -----	Oct. 4, 1887	380,779	Wilson, J. C -----	Apr. 10, 1888
371,876	Burgher, C -----	Oct. 18, 1887	380,780	Wilson, J. C -----	Apr. 10, 1888
375,083	Martin, M -----	Dec. 20, 1887	381,896	Young, J -----	Apr. 24, 1888
375,299	Martin, M -----	Dec. 20, 1887	382,253	Carroll, W -----	May 1, 1888
375,569	Rogers, C. D -----	Dec. 27, 1887	383,220	Gill, J. B -----	May 22, 1888
375,617	Firman, L. B -----	Dec. 27, 1887	383,941	Browne, W. D -----	June 5, 1888
376,133	Barrett, J. P -----	Jan. 10, 1888	384,476	Scribner, C. E -----	June 12, 1888
378,927	Gibson, E. T -----	Mar. 6, 1888	384,875	Stevens, G. M -----	June 19, 1888
378,983	Smith, A. A -----	Mar. 6, 1888			

178. TELEGRAPHY.—101. FIRE—ALARMS AND EXTINGUISHERS.

367,323	Shaffer, C. H -----	July 26, 1887	380,241	Barnes, W. A -----	Mar. 27, 1888
367,350	McLaughlin, J. F -----	July 26, 1887	382,788	Young, J -----	May 15, 1888
377,083	Milliken, G. F. and Lytle, H. B -----	Jan. 31, 1888	383,377	Smith, G. G -----	May 22, 1888
378,078	Barnes, W. A -----	Feb. 21, 1888	383,605	Wheeler, A. D -----	May 29, 1888

178. TELEGRAPHY.—29. KEYS.

366,400	Keating, A. S -----	July 12, 1887	378,332	Melbourne, W. A -----	Feb. 21, 1888
368,342	Kunhardt, D -----	Aug. 16, 1887	379,063	Hamilton, E. M -----	Mar. 6, 1888
373,152	Oakes, A -----	Nov. 15, 1887	380,310	Borland, D. R -----	Apr. 3, 1888

178. TELEGRAPHY.—30. LIGHTNING ARRESTERS.

369,036	Sperry, E. A -----	Aug. 30, 1887	384,042	Keilholtz, P. O -----	June 5, 1888
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178. TELEGRAPHY.—35. MORSE REGISTERS.

375,766	Noyes, J. G -----				Jan. 3, 1888
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178. TELEGRAPHY.—51. MULTIPLEX.

368,931	Cassagnes, G. A -----	Aug. 30, 1887	375,339	Cassagnes, G. A -----	Dec. 27, 1887
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178. TELEGRAPHY.—54. PRINTING.

No.	NAME.	DATE.	No.	NAME.	DATE.
365,982	Field, S. D -----	July 5, 1887	370,691	Field, S. D -----	Sept. 27, 1887
365,994	Healy, C. L -----	July 5, 1887	370,978	Sheehy, R. J -----	Oct. 4, 1887
366,166	Healy, C. L -----	July 5, 1887	373,508	Wiley, C. J -----	Nov. 22, 1887
366,178	Mahnken, H. and Healy, C. L -----	July 5, 1887	374,444	Bixby, A -----	Dec. 6, 1887
366,628	Healy, C. L -----	July 12, 1887	377,763	Linville, J. H -----	Feb. 14, 1888
367,650	McLaughlin, J. F -----	Aug. 2, 1887	378,107	Pike, D. E -----	Feb. 21, 1888
367,720	Mahnken, H. -----	Aug. 2, 1887	378,436	Delany, P. B -----	Feb. 28, 1888
368,217	Linville, J. H -----	Aug. 16, 1887	378,437	Delany, P. B -----	Feb. 28, 1888
368,411	McLaughlin, J. F -----	Aug. 16, 1887	383,450	Essick, S. V -----	May 29, 1888
368,541	Mahnken, H. -----	Aug. 16, 1887	384,320	Mallett, E. J -----	June 12, 1888
368,692	Sheehy, R. J -----	Aug. 23, 1887	384,322	Mallett, E. J -----	June 12, 1888
368,858	Sheehy, R. J -----	Aug. 23, 1887	384,324	Mallett, E. J -----	June 12, 1888
368,859	Sheehy, R. J -----	Aug. 23, 1887	384,325	Mallett, E. J -----	June 12, 1888
369,577	Wood, W. B -----	Sept. 6, 1887	384,455	Mahnken, H. -----	June 12, 1888
370,357	Sheehy, R. J -----	Sept. 20, 1887			

178. TELEGRAPHY.—55. QUADRUPLIX.

366,695	Smith, G -----	July 19, 1887	381,220	Davis, M. M -----	Apr. 17, 1888
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178. TELEGRAPHY.—56. RAILWAY-CAR.

368,512	Burton, G. D -----	Aug. 16, 1887	379,459	Glasgow, W. and Stevens, S. S -----	Mar. 13, 1888
369,886	Phelps, L. J -----	Sept. 13, 1887	380,646	De Mier, J. R -----	Apr. 3, 1888
373,160	Tiffany, J. C. and De Mier, J. R -----	Nov. 15, 1887	381,343	De Mier, J. R -----	Apr. 17, 1888
373,333	Woods, G. T -----	Nov. 15, 1887	381,344	De Mier, J. R -----	Apr. 17, 1888
373,915	Woods, G. T -----	Nov. 29, 1887	384,530	Edison, T. A. and Gilliland, E. T -----	June 19, 1888

178. TELEGRAPHY.—63. REED.

367,270	Colman, F. B -----	July 26, 1887	370,577	Van Rysselberghe, F -----	Sept. 27, 1887
370,576	Van Rysselberghe, F -----	Sept. 27, 1887	382,195	Selden, C -----	May 1, 1888

178. TELEGRAPHY.—41. RELAYS AND SOUNDERS.

366,192	Woods, G. T -----	July 5, 1887	379,064	Hamilton, E. M -----	Mar. 6, 1888
371,531	Watson, J. E -----	Oct. 11, 1887	383,843	Watson, J. E -----	May 29, 1888
372,155	Lane, G. M -----	Oct. 25, 1887	384,222	Watson, J. E -----	June 5, 1888
376,569	Whitehead, S. B -----	Jan. 17, 1888	384,323	Mallett, E. J -----	June 12, 1888
377,862	Oehlmen, B -----	Feb. 14, 1888	384,326	Mallett, E. J -----	June 12, 1888
378,552	Orcutt, E. L -----	Feb. 28, 1888	384,350	Doggett, J -----	June 12, 1888
379,060	Hamilton, E. M -----	Mar. 6, 1888	385,214	Stitzel, F. and Weinedel, C -----	June 26, 1888
379,061	Hamilton, E. M -----	Mar. 6, 1888			

178. TELEGRAPHY.—42. REPEATERS.

376,661	Kölzer, J -----	Jan. 17, 1888	379,203	Kölzer, J -----	Mar. 6, 1888
378,464	Russell, L -----	Feb. 28, 1888			

178. TELEGRAPHY.—69. TRANSMITTERS.

368,450	Bloom, W. H -----	Aug. 16, 1887	374,390	Bixby, A -----	Dec. 6, 1887
372,805	Juengst, G -----	Nov. 8, 1887	379,368	Copeland, H. P -----	Mar. 13, 1888
372,846	Evans, W. W -----	Nov. 8, 1887			

179. TELEPHONY.—82. ANTI-INDUCTION DEVICES.

371,555	Curran, J. -----	Oct. 18, 1887	372,078	Metzger, H -----	Oct. 25, 1887
371,557	Drew, S. C -----	Oct. 18, 1887			

179. TELEPHONY.—81. CONDUCTORS—ANTI-INDUCTIVE.

No.	NAME.	DATE.	No.	NAME.	DATE.
369,259	Patterson, W. R.-----	Aug. 30, 1887	369,394	Campbell, H. F.-----	Sept. 6, 1887

179. TELEPHONY.—57. TELEPHONES—CALLS.

371,752	Foster, G. W.-----	Oct. 18, 1887	373,910	Scribner, C. E.-----	Nov. 29, 1887
372,404	Deprez, M. and Abdank-Abakanowicz, B.	Nov. 1, 1887	376,973	Wood, P. W. and J. B.-----	Jan. 31, 1888
			383,563	Fisher, F. E.-----	May 29, 1888

179. TELEPHONY.—58. TELEPHONES—DETAILS.

366,994	Bradford, T. C.-----	July 19, 1887	370,847	Balloch, E. A.-----	Oct. 4, 1887
367,003	Huewe, G. A.-----	July 19, 1887	374,439	Whitney, R. W. and Pultz, F.-----	Dec. 6, 1887
367,004	Huewe, G. A.-----	July 19, 1887	384,201	Gilliland, E. T.-----	June 5, 1888
370,230	Allison, M. H.-----	Sept. 20, 1887			

179. TELEPHONY.—59. TELEPHONES—ELECTRIC.

365,776	Bonta, J. W.-----	July 5, 1887	376,060	Beedy, S. E.-----	Jan. 10, 1888
365,777	Bonta, J. W.-----	July 5, 1887	377,475	Bahr, J. F.-----	Feb. 7, 1888
365,778	Bonta, J. W.-----	July 5, 1887	377,612	Hayes, H. V.-----	Feb. 7, 1888
365,779	Bonta, J. W.-----	July 5, 1887	378,044	Edison, T. A.-----	Feb. 14, 1888
365,780	Bonta, J. W.-----	July 5, 1887	378,298	Farmer, M. G.-----	Feb. 21, 1888
365,781	Bonta, J. W.-----	July 5, 1887	10,915	Irwin, J. H.---(Reis of 209,266)	Mar. 27, 1888
367,042	Irwin, J. H.-----	July 26, 1887	380,426	Farmer, M. G.-----	Apr. 3, 1888
368,628	Todd, H. L.-----	Aug. 23, 1887	380,427	Farmer, M. G.-----	Apr. 3, 1888
369,376	Watkins, F. C.-----	Sept. 6, 1887	380,437	House, W. D.-----	Apr. 3, 1888
369,377	Watkins, F. C.-----	Sept. 6, 1887	380,438	House, W. D.-----	Apr. 3, 1888
369,378	Watkins, F. C.-----	Sept. 6, 1887	380,752	Farnham, I. H.-----	Apr. 10, 1888
369,379	Watkins, F. C.-----	Sept. 6, 1887	380,905	Marston, F. Du P.-----	Apr. 10, 1888
371,241	Woods, G. T.-----	Oct. 11, 1887	381,234	Graham, J. M.-----	Apr. 17, 1888
372,455	Clamond, C.-----	Nov. 1, 1887	381,382	Johnson, E. H.-----	Apr. 17, 1888
375,862	Berthold, V. M.-----	Jan. 3, 1888			

179. TELEPHONY.—60. TELEPHONES—MAGNETIC.

366,190	Safford, A. G.-----	July 5, 1887	376,707	Brown, F. H.-----	Jan. 17, 1888
369,256	Martin, M.-----	Aug. 30, 1887	378,385	Brown, A. W.-----	Feb. 21, 1888
370,477	Hayes, H. V.-----	Sept. 27, 1887	378,780	Ehrlich, L., Dubinski, B. and Rein, G.	Feb. 28, 1888
375,456	Newton, E. C.-----	Dec. 27, 1887			
376,706	Brown, F. H.-----	Jan. 17, 1888	381,531	Collins, W. H.-----	Apr. 24, 1888

179. TELEPHONY.—77. TELEPHONES—RELAYS AND REPEATERS.

382,856	Barrett, J. A.-----				May 15, 1888
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179. TELEPHONY.—100. TELEPHONES—SUPPORTS.

370,193	Jermain, S. P.-----	Sept. 20, 1887	376,615	Thurber, W. E. and McConnell, J.	Jan. 17, 1888
371,757	Hott, A. L.-----	Oct. 18, 1887			

179. TELEPHONY.—85. TELEPHONES—SWITCH-BOARDS.

367,670	Scribner, C. E.-----	Aug. 2, 1887	381,303	Welden, R. H.-----	Apr. 17, 1888
367,730	Seely, J. A.-----	Aug. 2, 1887			

179. TELEPHONY.—71. TELEPHONES—SWITCHES.

371,260	Goodridge, W. M.-----	Oct. 11, 1887	379,074	Lambdin, C.-----	Mar. 6, 1888
378,250	Hinton, J. R. H.-----	Feb. 21, 1888			

179. TELEPHONY.—64. TELEPHONES—SYSTEMS.

No.	NAME.	DATE.	No.	NAME.	DATE.
367,754	Goodridge, W. M.-----	Aug. 2, 1887	382,474	Kellogg, M. G.-----	May 8, 1888
370,293	Watkins, F. C.-----	Sept. 20, 1887	382,475	Kellogg, M. G.-----	May 8, 1888
371,940	Holcombe, A. G.-----	Oct. 25, 1887	382,476	Kellogg, M. G.-----	May 8, 1888
373,519	Farnham, I. H.-----	Nov. 22, 1887	382,477	Kellogg, M. G.-----	May 8, 1888
374,907	Scribner, C. E.-----	Dec. 13, 1887	382,518	Eldred, H. H.-----	May 8, 1888
375,685	Scribner, C. E.-----	Dec. 27, 1887	383,013	Scribner, C. E.-----	May 15, 1888
375,925	Crawford, J. and Ker, J. B.-----	Jan. 3, 1888	383,014	Scribner, C. E.-----	May 15, 1888
377,441	Scribner, C. E.-----	Feb. 7, 1888	383,617	Scribner, C. E.-----	May 15, 1888
377,788	Trayer, E. P. and Kugler, G. H.-----	Feb. 14, 1888	383,018	Scribner, C. E.-----	May 15, 1888
378,030	Warner, E. P.-----	Feb. 14, 1888	383,269	Ballard, S. R.-----	May 22, 1888
378,679	Haskins, C. H.-----	Feb. 28, 1888	383,495	Scribner, C. E.-----	May 29, 1888
381,430	Scribner, C. E.-----	Apr. 17, 1888	384,477	Scribner, C. E.-----	June 12, 1888
381,431	Scribner, C. E.-----	Apr. 17, 1888	384,644	Scribner, C. E.-----	June 19, 1888
382,461	Dyer, R. N.-----	May 8, 1888	385,205	Scribner, C. E.-----	June 26, 1888

179. TELEPHONY.—101. TELEPHONES—SYSTEMS—AUTOMATIC.

372,378	Lockwood, T. D.-----	Nov. 1, 1887	381,938	McCoy, J. A.-----	May 1, 1888
375,543	Farnham, I. H.-----	Dec. 27, 1887			

2. APPAREL.—4. CUTTING.

372,926	Nevens, F. W.-----				Nov. 8, 1887
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8. BLEACHING AND DYEING.—2. BLEACHING.

378,681	Hermite, E. and Cooper, C. F.-----	Feb. 28, 1888	381,372	Hermite, E. and Cooper, C. F.-----	Apr. 17, 1888
379,465	Hermite, E. and Cooper, C. F.-----	Mar. 13, 1888	382,159	Hermite, E.-----	May 1, 1888

14. BRIDGES.—3. GIRDERS AND COLUMNS.

373,925	Copeland, H. P.-----	Nov. 29, 1887	377,953	Mills, A.-----	Feb. 14, 1888
374,103	Wilson, D.-----	Nov. 29, 1887			

14. BRIDGES.—10. TOWERS.

366,603	Parker, F. H.-----	July 12, 1887	375,977	Banks, D. B. and Hutchins, G. K.-----	Jan. 3, 1888
368,766	Hart, M. J.-----	Aug. 23, 1887	377,894	Hart, M. J.-----	Feb. 14, 1888
368,955	Lacey, F. H.-----	Aug. 30, 1887			

18. CAOUTCHOUC AND MINOR PLASTICS.—11. INSULATING MATERIALS.

366,263	Silliman, R. F.-----	July 12, 1887	371,406	Barnes, W. W.-----	Oct. 11, 1887
366,336	Merritt, H. W.-----	July 12, 1887	371,681	Grant, J.-----	Oct. 18, 1887
366,337	Merritt, H. W.-----	July 12, 1887	375,633	James, De W. C.-----	Dec. 27, 1887
366,898	Tatham, J.-----	July 19, 1887	376,019	Wilder, C. H.-----	Jan. 3, 1888

23. CHEMICALS.—26. PURIFYING WATER.

383,184	Leeds, A. R.-----				May 22, 1888
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23. CHEMICALS.—13. SALINES.

379,820	Schanschieff, A.-----				Mar. 20, 1888
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24. CLASPS AND BUCKLES.—6. CLASPS.

373,767	Butler, H. D.-----				Nov. 22, 1887
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58. HOROLOGY.—15. TIME ALARMS.

No.	NAME.	DATE.	No.	NAME.	DATE.
370,932	Colby, E. J -----	Oct. 4, 1887	383,439	Colby, E. J -----	May 29, 1888
371,696	Meads, S. P -----	Oct. 18, 1887	384,412	Bapst, G. and Falize, L -----	June 12, 1888
378,202	Jensen, H. P. F., Webb, B. W. and Jensen, J.	Feb. 21, 1888			

58. HOROLOGY.—16. TIME-CHECKS.

367,662	Reams, A. J -----	Aug. 2, 1887	376,920	Skrivan, O. and Dvorak, F ----	Jan. 24, 1888
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58. HOROLOGY.—28. CLOCKS—ELECTRIC.

366,513	Scales, W. S -----	July 12, 1887	377,895	Harvey, W. B -----	Feb. 14, 1888
367,663	Reams, A. J -----	Aug. 2, 1887	379,511	Farrar, W. B -----	Mar. 13, 1888
367,898	Drawbaugh, D -----	Aug. 9, 1887	383,655	Pond, C. H -----	May 29, 1888
367,960	Clarke, C. L -----	Aug. 9, 1887	383,786	Viau, M -----	May 29, 1888
369,386	Bard, E. F -----	Sept. 6, 1887	384,271	Parcelle, A. L -----	June 12, 1888
373,188	Hexamer, C. J -----	Nov. 15, 1887	384,472	Reams, A. J -----	June 12, 1888

58. HOROLOGY.—33. TIME SIGNALS.

375,160	Housel, G. W -----				Dec. 20, 1887
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32. DENTISTRY.—2. DRILLS.

375,834	Register, H. C -----				Jan. 3, 1888
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35. EDUCATIONAL APPLIANCES.—10. SLATES.

381,271	Mueller, E. T -----				Apr. 17, 1888
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40. ADVERTISING.—12. SHOW BOXES AND CARDS.

378,339	Smith, A. C -----				Feb. 21, 1888
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41. FINE ARTS.—8. ENGRAVING MACHINES.

369,867	Marsh, E. A -----				Sept. 13, 1887
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42. FIRE ARMS.—6. BREECH LOADERS.

365,843	Monfort, E. A -----				July 5, 1887
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64. JOURNAL BOXES, PULLEYS, AND SHAFTING.—JOURNAL BOXES, ROLLER BEARINGS.

384,506	Brewer, W. J -----				June 12, 1888
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65. KITCHEN AND TABLE ARTICLES.—13. CUPS.

366,460	Collins, C -----				July 12, 1887
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66. KNITTING AND NETTING.—7. STOPPING.

379,332	Talcott, W., 2d -----	Mar. 20, 1888	382,593	Draper, C -----	May 8, 1888
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67. LAMPS AND GAS FITTINGS.—8. GAS FITTINGS.

No.	NAME.	DATE.	No.	NAME.	DATE.
381,921	Gennert, E. F.-----	May 1, 1888	384,302	Wright, J.-----	June 12, 1888

67. LAMPS AND GAS FITTINGS.—5. DROP LIGHTS AND HANGERS.

380,301	Tompkins, W. M.-----	Mar. 27, 1888
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67. LAMPS AND GAS FITTINGS.—22. LAMP SHADES.

372,313	Haines, R.-----	Nov. 1, 1887
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67. LAMPS AND GAS FITTINGS.—28. REFLECTORS.

381,167	Purdy, H.-----	Apr. 17, 1888
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70. LOCKS AND LATCHES.—18. LOCKS—PERMUTATION.

378,568	Baumann, R.-----	Feb. 28, 1888
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72. MASONRY.—21. SUBWAYS.

384,860	Meehan, M.-----	June 19, 1888
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73. MEASURING INSTRUMENTS.—3. BALANCES.

374,013	Tarbox, J. E.-----	Nov. 29, 1887	374,581	Boyle, J. C.-----	Dec. 13, 1887
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73. MEASURING INSTRUMENTS.—75. FARE-BOXES.

382,756	Crowdus, W. A.-----	May 15, 1888
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73. MEASURING INSTRUMENTS.—19. GRAIN METERS.

368,662	Foster, B. R.-----	Aug. 23, 1887	377,591	Whitney, E. R.-----	Feb. 7, 1888
377,383	Holley, W. A. and Malin, W.-----	Feb. 7, 1888			

73. MEASURING INSTRUMENTS.—34. RECORDERS.

367,708	Dudley, P. H.-----	Aug. 2, 1887	379,865	Fuller, F. L.-----	Mar. 20, 1888
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73. MEASURING INSTRUMENTS.—35. REGISTERS.

369,595	Dietzman, A. S. and Cressey, G.-----	Sept. 6, 1887	373,397	Guest, J. H.-----	Nov. 15, 1887
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73. MEASURING INSTRUMENTS.—69. SHIPS' LOGS.

384,362	Haskell, E. E.-----	June 12, 1888
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73. MEASURING INSTRUMENTS.—46. SPRING SCALES.

371,869	Whitney, E. R.-----	Oct. 18, 1887
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73. MEASURING INSTRUMENTS.—85. TELETHERMOMETERS.

No.	NAME.	DATE.	No.	NAME.	DATE.
376,149	Haight, H. J -----	Jan. 10, 1888	382,976	Hardinge, H. W -----	May 15, 1888
379,766	Dibble, F. J -----	Mar. 20, 1888			

73. MEASURING INSTRUMENTS.—51. TESTING MACHINES.

383,385	Abbott, A. V -----				May 22, 1888
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73. MEASURING INSTRUMENTS.—52. THERMOMETERS.

365,905	Brewster, W. F -----	July 5, 1887	380,872	Draper, D -----	Apr. 10, 1888
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73. MEASURING INSTRUMENTS.—65. THERMOSTATS.

366,176	Mackey, J. C -----	July 5, 1887	377,021	Easton, L. F -----	Jan. 31, 1888
371,121	Barton, W. H. H -----	Oct. 4, 1887	378,137	Johnson, W. S -----	Feb. 21, 1888
372,208	Dermitt, S. W. and W. V -----	Oct. 25, 1887	378,435	Corman, C. A -----	Feb. 28, 1888
372,409	Fischer, W. and Stiehl, T -----	Nov. 1, 1887	379,201	Johnson, W. S -----	Mar. 6, 1888
373,103	Sternberg, G. M -----	Nov. 15, 1887	380,394	Kissell, A. S -----	Apr. 3, 1888
373,104	Sternberg, G. M -----	Nov. 15, 1887	382,165	Johnson, W. S -----	May 1, 1888
376,880	Haight, H. J -----	Jan. 24, 1888	383,536	Newman, E. A -----	May 29, 1888

74. MACHINE ELEMENTS.—26. GEARING—FRICTIONAL.

367,241	Schleicher, A. W -----				July 26, 1887
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75. METALLURGY.—58. REDUCING AND SEPARATING ALUMINIUM.

382,183	Omholt, J -----				May 1, 1888
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75. METALLURGY.—34 AMALGAMATORS—ELECTRIC.

370,366	Birmingham, D. W -----				Sept. 20, 1887
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82. METAL TURNING, PLANING, AND MILLING.—16. MISCELLANEOUS.

379,344	Tittle, D. J., jr -----				Mar. 13, 1888
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84. MUSIC.—26. PIANO ACTIONS.

368,195	Dieckmann, G. F -----				Aug. 16, 1887
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84. MUSIC.—50. ORGAN ACTIONS—PNEUMATIC.

374,088	Roosevelt, H. L -----				Nov. 29, 1887
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84. MUSIC.—63. RECORDING ATTACHMENTS.

373,644	Carpentier, J -----				Nov. 22, 1887
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87. OILS, FATS, AND GLUE.—4. DECOMPOSING FATS.

373,691	Schwalm, H. F. D -----				Nov. 22, 1887
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88. OPTICS.—19. COMPASSES.

No.	NAME.	DATE.	No.	NAME.	DATE.
381,693	Gross, A -----	Apr 24, 1888	385,043	Chase, H. A -----	June 26, 1888
385,042	Chase, H. A -----	June 26, 1888			

89. ORDNANCE.—12. OPERATING ORDNANCE.

379,783	Hill, E -----				Mar. 20, 1888
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89. ORDNANCE.—21. ELECTRIC APPLIANCES.

372,958	Bradley, W. W. and Holroyd, J. R -----				Nov. 8, 1887
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95. PHOTOGRAPHY.—5. CAMERAS.

378,426	Bliss, E. N. and Middleton, J. F -----				Feb. 28, 1888
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95. PHOTOGRAPHY.—31. GALLERIES.

384,151	Gould, F. B -----				June 5, 1888
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95. PHOTOGRAPHY.—29. PROCESSES.

372,720	Tucker, A. W. and E. M -----				Nov. 8, 1887
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95. PHOTOGRAPHY.—26. RETOUCHING.

383,436	Card, G. F -----				May 29, 1888
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96. COATING WITH METAL.—1. ELECTRO DEPOSITION.

367,731	Thoms, W. A -----	Aug. 2, 1887	384,806	White, W. W -----	June 19, 1888
377,487	Hayden, E. S -----	Feb. 7, 1888			

96. COATING WITH METAL.—5. NICKEL PLATING.

381,004	Farmer, M. G -----				Apr. 10, 1888
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101. PRINTING.—11. COPYING.

370,688	Carey, A. C -----				Sept. 27, 1887
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101. PRINTING.—14. DELIVERING.

368,315	Bathrick, L. E -----				Aug. 16, 1887
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101. PRINTING.—20. HAND STAMPS.

380,594	Randall, C. A -----	Apr. 3, 1888	386,595	Randall, C. A -----	Apr. 3, 1888
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101. PRINTING.—44. MATRIX MAKING.

378,797	Mergenthaler, O -----	Feb. 28, 1888	378,798	Mergenthaler, O -----	Feb. 28, 1888
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101. PRINTING.—37. SURFACES.

384,586	Norman, W. C -----				June 12, 1888
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101. PRINTING.—42. TYPE-WRITING.

No.	NAME.	DATE.	No.	NAME.	DATE.
369,954	McLaughlin, J. F -----	Sept. 13, 1887	379,406	McLaughlin, J. F -----	Mar. 13, 1888

102. PROJECTILES.—1. BLASTING AND FUSES.

374,640	Sundström, K. J -----	Dec. 13, 1887	377,851	Gardner, P. G -----	Feb. 14, 1888
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102. PROJECTILES.—11. PRIMERS.

384,660	Zalinski, E. L -----				June 19, 1888
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102. PROJECTILES.—15. SHELLS.

384,663	Zalinski, E. L -----				June 19, 1888
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102. PROJECTILES.—16. SHELL FUSES.

384,661	Zalinski, E. L -----	June 19, 1888	384,664	Zalinski, E. L -----	June 19, 1888
384,662	Zalinski, E. L -----	June 19, 1888			

102. PROJECTILES.—20. ELECTRIC CARTRIDGES.

365,842	Monfort, E. A -----	July 5, 1887	372,046	Stuart, G -----	Oct. 25, 1887
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104. RAILWAYS.—4. ELEVATED.

374,866	Carr, C -----	Dec. 13, 1887	381,862	Taylor, G. R. and Heckert, W	Apr. 24, 1888
379,904	Oehrle, A. C -----	Mar. 20, 1888			

104. RAILWAYS.—9. PNEUMATIC.

365,787	Bryson, A., jr. and Mudge, H. S	July 5, 1887	379,503	Burton, G. D -----	Mar. 13, 1888
376,862	Curtiss, R. M -----	Jan. 24, 1888			

104. RAILWAYS.—10. RAILS.

372,273	Nulty, J. T -----	Oct. 25, 1887	378,913	Wing, L. J -----	Mar. 6, 1888
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104. RAILWAYS.—21. SIGNALS.

375,649	Patten, A. B. and Conner, R. S	Dec. 27, 1887	382,741	Tisdale, C. D -----	May 15, 1888
380,409	Stitzel, F. and Weinedel, C ---	Apr. 3, 1888	384,755	Godding, M. O -----	June 19, 1888

104. RAILWAYS.—25. SWITCH STANDS.

366,306	Cummings, A. G -----				July 12, 1887
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104. RAILWAYS.—47. TRACTION—UNDERGROUND.

374,315	Nier, W -----	Dec. 6, 1887	379,082	Short, S. H -----	Mar. 6, 1888
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112. SEWING MACHINES.—7. EMBROIDERING.

377,408	Smith, R. T -----	Feb. 7, 1888	377,409	Smith, R. T -----	Feb. 7, 1888
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116. SIGNALS.—18. SIGNALS—NAUTICAL.

No.	NAME.	DATE.	No.	NAME.	DATE.
382,056	Ruggles, D -----	May 1, 1888	385,016	Spiegel, W. G-----	June 26, 1888

116. SIGNALS.—39. BELL-HANGING—PULLS.

381,539	Dilley, C. M -----				Apr. 24, 1888
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105. RAILWAY CARS.—28. CARS—STEAM, STREET.

381,396	Love, J. C. and Snediker, J. F -----				Apr. 17, 1888
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105. RAILWAY CARS.—17. LOCOMOTIVES.

375,346	Field, S. D-----				Dec. 27, 1887
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105. RAILWAY CARS.—19. PASSENGER.

378,428	Brill, J. A -----				Feb. 28, 1888
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105. RAILWAY CARS.—32. TRUCKS.

384,505	Brewer, W. J -----				June 12, 1888
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114. SHIPS.—40. SUBMARINE AND TORPEDO.

379,991	Shepard, C. D-----				Mar. 27, 1888
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119. CARE OF LIVE STOCK.—4. INCUBATORS.

366,599	Muenchinger, G. A -----				July 12, 1887
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122. STEAM BOILERS.—2. CLEANERS.

368,655	Currier, H. L-----				Aug. 23, 1887
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123. AIR AND GAS ENGINES.—3. EXPLOSIVE.

363,678	McDougall, S. T -----	Aug. 23, 1887	379,674	Bolmer, T. H -----	Mar. 20, 1888
376,212	Shanck, H. K -----	Jan. 10, 1888	383,775	Sintz, C -----	May 29, 1888
377,962	Smith, R. F-----	Feb. 14, 1888			

125. STONE WORKING.—10. DRILLS.

366,184	Phelps, L. J -----	July 5, 1887	375,390	Sneathen, J. B., Michaels, A. and Michales, M. A	Dec. 27, 1887
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128. SURGERY.—13. INHALERS AND RESPIRATORS.

369,247	Huguet, H. A. B -----				Aug. 30, 1887
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128. SURGERY.—28. MISCELLANEOUS.

376,601	Leiter, J-----				Jan. 17, 1888
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169. FIRE EXTINGUISHERS.—1. CHEMICAL.

No.	NAME.	DATE.	No.	NAME.	DATE.
375,636	Kells, C. E., jr -----	Dec. 27, 1887	381,459	Atkinson, T-----	Apr. 17, 1888

134. METAL TUBING AND WIRE.—16. WIRE.

369,144	Williamson, J. J -----	Aug. 30, 1887
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137. WATER DISTRIBUTION.—30. COUPLINGS—VALVED.

372,363	Deacon, B. R -----	Nov. 1, 1887
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140. WIRE WORKING.—6. COILING.

372,423	Mallett-Guy, F -----	Nov. 1, 1887
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144. WOOD WORKING MACHINES.—2. BORING.

373,393	Dewing, J. and Bennett, D. F-----	Nov. 15, 1887
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149. HIDES, SKINS, AND LEATHER.—10. TANNING PROCESSES.

363,745	Aborn, J. W. and Landin, J -----	Aug. 23, 1887
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150. PACKING AND STORING VESSELS.—116. METALLIC VESSELS—SPOUTED.

367,474	Truman, E-----	Aug. 2, 1887
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159. FIRE ESCAPES AND LADDERS.—15. ESCAPE LADDERS—FIXED.

377,058	Batten, J -----	Jan. 31, 1888
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181. ACOUSTICS.—3. TELEPHONES—MECHANICAL.

365,868	Shaver, G. F-----	July 5, 1887	371,439	Eastman, W. II -----	Oct. 11, 1887
366,319	Hurley, J. P. and Perkins, G. F-----	July 12, 1887			

181. ACOUSTICS.—4. PHONOGRAPHS.

375,579	Tainter, C. S-----	Dec. 27, 1887	382,416	Edison, T. A-----	May 8, 1888
380,535	Tainter, C. S-----	Apr. 3, 1888	382,419	Edison, T. A-----	May 8, 1888
382,414	Edison, T. A-----	May 8, 1888	382,790	Berliner, E-----	May 15, 1888

182. SEWERAGE.—3. CONSTRUCTION.

372,494	Shepherd, C. H-----	Nov. 1, 1887
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186. STORE SERVICE.—9. VENDING APPARATUS.

372,010	Brunet, A-----	Oct. 25, 1887
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187. ELEVATORS.—3. DUMB WAITERS.

333,771	Saunders, A. D-----	May 29, 1888
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188. FLUID PRESSURE RAILWAY BRAKES.—4. ELECTRIC.

378,657	Carpenter, J. F-----	Feb. 28, 1888	382,766	Massey, A. P-----	May 15, 1888
378,658	Carpenter, J. F-----	Feb. 28, 1888			

APPENDIX No. VII.

PART II.

CONSISTING OF A

NUMERICAL AND CHRONOLOGICAL INDEX OF ALL PATENTS

RELATING TO

ELECTRICITY

Issued from July 1, 1887, to June 30, 1888, inclusive, giving names of Inventors, numbers and dates of Patents, and the sub-class to which each belongs.

NUMERICAL INDEX

OF

PATENTS RELATING TO ELECTRICITY

FROM JULY 1, 1887, TO JUNE 30, 1888.

No.	NAME.	CLASS.	DATE.
365,776	Bonta, J. W.	Telephones, electric	July 5, 1887
365,777	Bonta, J. W.	do	July 5, 1887
365,778	Bonta, J. W.	do	July 5, 1887
365,779	Bonta, J. W.	do	July 5, 1887
365,780	Bonta, J. W.	do	July 5, 1887
365,781	Bonta, J. W.	do	July 5, 1887
365,787	Bryson, A., jr. and Mudge, H. S.	Railways, pneumatic	July 5, 1887
365,792	Cauderay, J.	Meters	July 5, 1887
365,842	Monfort, E. A.	Cartridges	July 5, 1887
365,843	Monfort, E. A.	Fire-arms, breech-loading	July 5, 1887
365,868	Shaver, G. F.	Telephones, mechanical	July 5, 1887
365,905	Brewster, W. F.	Thermometers	July 5, 1887
365,911	Eckert, W. H. and Seely, J. A.	Telegraphy, fire	July 5, 1887
365,935	O'Connell, J. J.	Annunciators	July 5, 1887
365,978	Edison, T. A.	Systems of distribution	July 5, 1887
365,982	Field, S. D.	Telegraphy, printing	July 5, 1887
365,994	Healy, C. L.	do	July 5, 1887
366,021	Paine, H. M.	Motors	July 5, 1887
366,034	Seiler, C.	Batteries, galvanic	July 5, 1887
366,058	Williams, R. E. and Hammer, T. G.	Medical and surgical, body-wear	July 5, 1887
366,124	McElroy, J. F.	Lights, systems and appliances	July 5, 1887
366,154	Chase, H. A.	Telegraphy, fire	July 5, 1887
366,164	Gillam, M. M.	Medical and surgical, baths	July 5, 1887
366,166	Healy, C. L.	Telegraphy, printing	July 5, 1887
366,173	Kruesi, J.	Conductors, underground	July 5, 1887
366,174	Kruesi, J.	Conductors	July 5, 1887
366,176	Maekey, J. C.	Thermostats	July 5, 1887
366,178	Mahnken, H. and Healy, C. L.	Telegraph, printing	July 5, 1887
366,184	Phelps, L. J.	Stone-working	July 5, 1887
366,190	Safford, A. G.	Telephones, magnetic	July 5, 1887
366,192	Woods, G. T.	Relays and sounders	July 5, 1887
366,195	Arnold, S. W. and Cranmer, W. C.	Conductors, underground	July 12, 1887
366,202	Cauderay, J.	Meters	July 12, 1887
366,209	Duvelius, A. L.	Conductors	July 12, 1887
366,212	Galvin, J. A.	Alarms	July 12, 1887
366,229	Maiche, L.	Telegraphy, automatic	July 12, 1887
366,263	Silliman, R. F.	Insulating materials	July 12, 1887
366,267	Stanley, W., jr.	Regulators	July 12, 1887
366,268	Stanley, W., jr.	Meters	July 12, 1887
366,289	Zimmerman, W. P.	Conductors	July 12, 1887
366,292	Arnold, C. R.	Lights, systems and appliances	July 12, 1887
366,305	Cox, H. B.	Galvanometers	July 12, 1887
366,306	Cummings, A. G.	Switch-stands	July 12, 1887
366,319	Hurley, J. P. and Perkins, G. F.	Telephones, mechanical	July 12, 1887
366,324	Johnson, W. S.	Valve-controllers	July 12, 1887
366,336	Merritt, H. W.	Insulating materials	July 12, 1887
366,337	Merritt, H. W.	do	July 12, 1887
366,347	Schmid, A.	Induction-coils	July 12, 1887
366,349	Shallenberger, O. B.	Regulators	July 12, 1887
366,350	Shallenberger, O. B.	Cut-outs, thermal	July 12, 1887
366,352	Thompson, E. P.	Lights, incandescent	July 12, 1887
366,353	Thompson, E. P.	Filaments and carbons	July 12, 1887
366,361	Westinghouse, G., jr.	Conductors	July 12, 1887
366,362	Westinghouse, G., jr.	Induction-coils	July 12, 1887
366,374	Byllesby, H. M. and Lange, P.	Lights, systems and appliances	July 12, 1887
366,375	Byllesby, H. M.	Induction-coils	July 12, 1887
366,376	Byllesby, H. M. and Shallenberger, O. B.	Systems of distribution	July 12, 1887
366,400	Keating, A. S.	Keys	July 12, 1887
366,407	Lange, P.	Cut-outs, mechanical	July 12, 1887
366,408	Lange, P.	Electro-magnets	July 12, 1887
366,409	Lange, P.	Galvanometers	July 12, 1887

No.	NAME.	CLASS.	DATE.
366,410	Lange, P. and Shallenberger, O. B	Galvanometers	July 12, 1887
366,457	Chenoweth, A. C	Conductors, underground	July 12, 1887
366,460	Collins, C	Cups	July 12, 1887
366,513	Scales, W. S	Clocks, electric	July 12, 1887
366,523	Stanley, W., jr.	Systems of distribution	July 12, 1887
366,544	Westinghouse, G., jr.	Induction-coils	July 12, 1887
366,599	Muenchinger, G. A	Incubators	July 12, 1887
366,603	Parker, F. H	Towers	July 12, 1887
366,606	Pope, F. L., Byllesby, H. M. and Lange, P.	Lights, sockets and keys	July 12, 1887
366,613	Waterhouse, A. G	Lights, arc, gravity feed, frictional	July 12, 1887
366,614	Waterhouse, A. G	do	July 12, 1887
366,628	Healy, C. L	Telegraphy, printing	July 12, 1887
366,634	Macrae, R. and Tavener, C. F	Cut-outs, mechanical	July 12, 1887
366,654	Duby, J. M. and Edmester, J. L	Conductors	July 19, 1887
366,660	Gardner, H. R	Applications, general	July 19, 1887
366,673	Lemp, H. and Wightman, M. J	Lights, incandescent	July 19, 1887
366,695	Smith, G	Telegraphy, quadruplex	July 19, 1887
366,717	Faure, C. A	Batteries, galvanic	July 19, 1887
366,777	Judd, C. B	Medical and surgical, body-wear	July 19, 1887
366,811	Bolgiano, G. C	Conductors, underground	July 19, 1887
366,824	Forbes, G	Galvanometers	July 19, 1887
366,898	Tatham, J	Insulating materials	July 19, 1887
366,938	Doubrara, S	Lights, arc, positive feed	July 19, 1887
366,941	Easton, J. W	Magneto-electric	July 19, 1887
366,970	Melbourne, W. A	Circuits and systems	July 19, 1887
366,994	Bradford, T. C	Telephones, details	July 19, 1887
367,002	Homans, C. A	Lights, arc, gravity feed, gear	July 19, 1887
367,003	Huewe, G. A	Telephones, details	July 19, 1887
367,004	Huewe, G. A	do	July 19, 1887
367,042	Irwin, J. H	Telephones, electric	July 26, 1887
367,069	Shaw, E. S	Locomotion	July 26, 1887
367,080	Wightman, M. J. and Urban, O	Magneto-electric	July 26, 1887
367,081	Wightman, M. J. and Lemp, H	Lights, arc, gravity feed	July 26, 1887
367,082	Wightman, M. J. and Lemp, H	Cut-outs, mechanical	July 26, 1887
367,164	Ruger, H. K	Insulators	July 26, 1887
367,205	Frost, J. W	Telegraphy, fire	July 26, 1887
367,219	McCoy, J. A	Telegraphy, automatic	July 26, 1887
367,241	Schleicher, A. W	Friction gearing	July 26, 1887
367,270	Colman, F. B	Telegraphy, reed	July 26, 1887
367,294	Harris, H. I	Batteries, galvanic	July 26, 1887
367,323	Shaffer, C. H	Telegraphy, fire, alarms and extinguishers	July 26, 1887
367,332	Baxter, C	Annunciators	July 26, 1887
367,341	Fuller, L. B	Medical and surgical, baths	July 26, 1887
367,348	Mast, L. L	Lightning-rods	July 26, 1887
367,350	McLaughlin, J. F	Telegraphy, fire, alarms and extinguishers	July 26, 1887
367,359	Brewer, H. J	Batteries, galvanic	Aug. 2, 1887
367,402	Irwin, J. H	Lights, systems and appliances	Aug. 2, 1887
367,422	Mellet, L	Applications, general	Aug. 2, 1887
367,435	O'Brien, D	Lightning-rods	Aug. 2, 1887
367,451	Serson, J	Batteries, galvanic	Aug. 2, 1887
367,469	Thomson, E	Systems of distribution	Aug. 2, 1887
367,470	Thomson, E	Regulators	Aug. 2, 1887
367,471	Thomson, E	Magneto-electric	Aug. 2, 1887
367,474	Truman, E	Spouted metallic vessels	Aug. 2, 1887
367,475	Van Depoele, C. J	Locomotion	Aug. 2, 1887
367,523	Hough, B. F	Burglar alarms	Aug. 2, 1887
367,541	Mellet, L. and Prince, J	Applications, general	Aug. 2, 1887
367,548	Reed, T. S	Conductors	Aug. 2, 1887
367,568	Wightman, M. J. and Lemp, H	Lights, arc, gravity feed, gear	Aug. 2, 1887
367,598	Chase, E. M	Railway signals	Aug. 2, 1887
367,627	Herrington, J	Car-brakes	Aug. 2, 1887
367,630	Hochhausen, W	Batteries, secondary	Aug. 2, 1887
367,650	McLaughlin, J. F	Telegraphy, printing	Aug. 2, 1887
367,651	Neston, A. W	Motors	Aug. 2, 1887
367,662	Reams, A. J	Time-checks	Aug. 2, 1887
367,663	Reams, A. J	Clocks, electric	Aug. 2, 1887
367,670	Scribner, C. E	Telephones, switch-boards	Aug. 2, 1887
367,685	Van Depoele, C. J	Car-brakes	Aug. 2, 1887
367,705	D'Humy, P. R. de F	Batteries, galvanic	Aug. 2, 1887
367,708	Dudley, P. H	Recorders	Aug. 2, 1887
367,720	Mahnken, H	Telegraphy, printing	Aug. 2, 1887
367,730	Seely, J. A	Telephones, switch-boards	Aug. 2, 1887
367,731	Thoms, W. A	Electro-deposition	Aug. 2, 1887
367,734	Widdicombe, R. H	Conductors	Aug. 2, 1887
367,754	Goodridge, W. M	Telephones, systems	Aug. 2, 1887
367,768	Sutton, G. D	Conductors, underground	Aug. 2, 1887
367,841	Perkins, G. F. and Hurley, J. P	Igniting devices	Aug. 9, 1887

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367,866	Thomson, E	Magneto-electric	Aug. 9, 1887
367,898	Drawbaugh, D	Clocks, electric	Aug. 9, 1887
367,901	Freeman, J. P	Cut-outs, electro-magnetic	Aug. 9, 1887
367,925	Poole, W. C. and Schnepf, J	Annunciators	Aug. 9, 1887
367,931	Runels, C	Connectors	Aug. 9, 1887
367,934	Shallenberger, O. B	Magneto-electric	Aug. 9, 1887
367,956	Brewer, H. J	Batteries, galvanic	Aug. 9, 1887
367,960	Clarke, C. L	Clocks, electric	Aug. 9, 1887
368,066	Brown, I. H	Railway signals	Aug. 9, 1887
368,088	Hinds, C. H	Friction generators	Aug. 9, 1887
368,099	Maquay, S. W	Batteries, galvanic	Aug. 9, 1887
368,149	Higgins, P. J	Conductors	Aug. 9, 1887
368,190	Case, W. E	Batteries, galvanic	Aug. 16, 1887
368,191	Case, W. E	do	Aug. 16, 1887
368,195	Dieckmann, G. F	Piano actions	Aug. 16, 1887
368,212	Hornaday, T. B	Magnetic locks and bolts	Aug. 16, 1887
368,217	Linville, J. H	Telegraphy, printing	Aug. 16, 1887
368,221	McDaniel, C. W	Cut-outs, mechanical	Aug. 16, 1887
368,265	Woods, G. T	Car-brakes	Aug. 16, 1887
368,284	Fletcher, J. R	Insulators	Aug. 16, 1887
368,315	Bathrick, L. E	Printing, delivering	Aug. 16, 1887
368,321	Bowe, P	Connectors	Aug. 16, 1887
368,336	Hathaway, A. E	Alarms, burglar	Aug. 16, 1887
368,342	Kunhardt, D	Keys	Aug. 16, 1887
368,405	Marvin, H. N	Motors	Aug. 16, 1887
368,406	Marvin, H. N	do	Aug. 16, 1887
368,411	McLaughlin, J. F	Telegraphy, printing	Aug. 16, 1887
368,445	Baldwin, C. W	Applications, tools and machines	Aug. 16, 1887
368,450	Bloom, W. H	Transmitters	Aug. 16, 1887
368,512	Burton, G. D	Telegraphy, railway car	Aug. 16, 1887
368,541	Mahken, H	Telegraphy, printing	Aug. 16, 1887
368,546	Owen, A	Medical and surgical, body-wear	Aug. 16, 1887
368,576	Euphrat, F	Locomotion	Aug. 23, 1887
368,596	Knight, W. H	Rheostats	Aug. 23, 1887
368,608	Peyrusson, A. E	Batteries, secondary	Aug. 23, 1887
368,628	Todd, H. L	Telephones, electric	Aug. 23, 1887
368,650	Carpenter, J. F	Connectors	Aug. 23, 1887
368,654	Crosby, E. H	do	Aug. 23, 1887
368,655	Currier, H. L	Cleaners	Aug. 23, 1887
368,662	Foster, B. R	Grain meters	Aug. 23, 1887
368,674	Kent, J. W. and Orr, R	Valve-controllers	Aug. 23, 1887
368,678	McDougall, S. T	Explosives	Aug. 23, 1887
368,692	Sheehy, R. J	Telegraphy, printing	Aug. 23, 1887
368,745	Aborn, J. W. and Landin, J	Tanning processes	Aug. 23, 1887
368,764	Hammer, W. J	Connectors	Aug. 23, 1887
368,765	Hammer, W. J	Cut-outs, thermal	Aug. 23, 1887
368,766	Hart, M. J	Towers	Aug. 23, 1887
368,796	Tronvé, G	Steering and propulsion	Aug. 23, 1887
368,804	Baker, C. D	Rheostats	Aug. 23, 1887
368,806	Bryant, T. W	Batteries, galvanic	Aug. 23, 1887
368,809	Carter, F. S	Bells	Aug. 23, 1887
368,857	Settle, M	Lights, incandescent	Aug. 23, 1887
368,858	Sheehy, R. J	Telegraphy, printing	Aug. 23, 1887
368,859	Sheehy, R. J	do	Aug. 23, 1887
368,907	Burgher, C	Telegraphy, fire	Aug. 23, 1887
368,931	Cassagnes, G. A	Telegraphy, multiplex	Aug. 30, 1887
368,948	Heliner, P	Dental instruments	Aug. 30, 1887
368,955	Lacey, F. H	Towers	Aug. 30, 1887
368,987	Wheeler, S. S	Conductors	Aug. 30, 1887
369,034	Seely, J. A	Batteries, galvanic	Aug. 30, 1887
369,036	Sperry, E. A	Lightning-arresters	Aug. 30, 1887
369,091	Bernstein, A	Lights, filaments and carbons	Aug. 30, 1887
369,121	Patterson, W. R	Conductors	Aug. 30, 1887
369,122	Patterson, W. R	do	Aug. 30, 1887
369,144	Williamson, J. J	Wire	Aug. 30, 1887
369,194	Loomis, O. P	Lights, arc, gravity feed, gear	Aug. 30, 1887
369,219	Woolley, L. G	Batteries, thermal	Aug. 30, 1887
369,238	Emminger, D. P	Conductors	Aug. 30, 1887
369,247	Huguet, H. A. B	Inhalers and respirators	Aug. 30, 1887
369,256	Martin, M	Telephones, magnetic	Aug. 30, 1887
369,259	Patterson, W. R	Conductors, anti-inductive	Aug. 30, 1887
369,267	Thompson, E. P	Lights, filaments and carbons	Aug. 30, 1887
369,280	Edison, T. A	Systems of distribution	Aug. 30, 1887
369,320	Dalzell, J. H	Conductors, lead-covered	Sept. 6, 1887
369,349	Loomis, O. P	Lights, arc, gravity feed, frictional	Sept. 6, 1887
369,372	Turner, T. G	Conductors, lead-covered	Sept. 6, 1887
369,376	Watkins, F. C	Telephones, electric	Sept. 6, 1887

No.	NAME.	CLASS.	DATE.
369,377	Watkins, F. C	Telephones, electric	Sept. 6, 1887
369,378	Watkins, F. C	do	Sept. 6, 1887
369,379	Watkins, F. C	do	Sept. 6, 1887
369,386	Bard, E. F	Clocks, electric	Sept. 6, 1887
369,394	Campbell, H. F	Conductors, anti-inductive	Sept. 6, 1887
369,400	Eickemeyer, R	Magneto-electric	Sept. 6, 1887
369,432	Buckelew, A. H	Heaters	Sept. 6, 1887
369,436	Depuy, A. B	Cut-outs, electro-magnetic	Sept. 6, 1887
369,439	Edison, T. A	Systems of distribution	Sept. 6, 1887
369,441	Edison, T. A	do	Sept. 6, 1887
369,442	Edison, T. A	do	Sept. 6, 1887
369,443	Edison, T. A	do	Sept. 6, 1887
369,447	Greenfield, E. T	Insulators	Sept. 6, 1887
369,456	Lemp, H	Lights, arc, gravity feed, frictional	Sept. 6, 1887
399,505	Drescher, L	Batteries, galvanic	Sept. 6, 1887
369,561	Short, S. H	Batteries, secondary	Sept. 6, 1887
369,568	Street, W. W	Lights, arc, gravity feed, frictional	Sept. 6, 1887
369,577	Wood, W. B	Telegraphy, printing	Sept. 6, 1887
369,592	Dalzell, J. H	Conductors, lead-covered	Sept. 6, 1887
369,593	Dalzell, J. H	do	Sept. 6, 1887
369,594	Dalzell, J. H	do	Sept. 6, 1887
369,595	Dietzman, A. S. and Cressey, G	Registers	Sept. 6, 1887
369,608	Molyneux, B. S	Recorders	Sept. 6, 1887
369,640	Hauss, D. J	Lights, arc	Sept. 6, 1887
369,655	Place, E	Regulators	Sept. 6, 1887
369,664	Thompson, E. P	Lights, filaments and carbons	Sept. 6, 1887
369,665	Thompson, E. P	Lights, systems and appliances	Sept. 6, 1887
369,666	Thompson, E. P	Lights, filaments and carbons	Sept. 6, 1887
369,672	Woolley, A. G	Annunciators	Sept. 6, 1887
369,754	Thomson, E	Regulators	Sept. 13, 1887
369,769	Brewer, H. J	Batteries, galvanic	Sept. 13, 1887
369,793	Jaques, J. T	Conductors	Sept. 13, 1887
369,801	Markland, W. H	Valve-controllers	Sept. 13, 1887
369,808	Noyes, J. G	Bells	Sept. 13, 1887
369,810	Patten, F. J	Annunciators	Sept. 13, 1887
369,813	Rader, G	Conductors, underground	Sept. 13, 1887
369,867	Marsh, E. A	Engraving machines	Sept. 13, 1887
369,880	Phelps, L. J	Telegraphy, railway car	Sept. 13, 1887
369,889	Stoddard, N. F	Cut-outs, thermal	Sept. 13, 1887
369,915	Brown, W	Lightning-rods	Sept. 13, 1887
369,917	Card, G. F	Car-brakes	Sept. 13, 1887
369,929	Farrar, J. H	Railway signals	Sept. 13, 1887
369,954	McLaughlin, J. F	Type-writing	Sept. 13, 1887
369,989	Jensen, H. P. F., Webb, B. W. and Jensen, J	Bells	Sept. 13, 1887
370,000	Wheeler, S. S	Motors	Sept. 13, 1887
370,007	Connelly, W. A	Valve-controllers	Sept. 13, 1887
10,866	Lister, J. T	(Reis. of 347,247) Lights, filaments and carbons	Sept. 13, 1887
370,052	Ferguson, A. C	Lights, systems and appliances	Sept. 20, 1887
370,123	Edison, T. A	Meters	Sept. 20, 1887
370,124	Edison, T. A	Lights, filaments and carbons	Sept. 20, 1887
370,125	Edison, T. A	Transmission of power	Sept. 20, 1887
370,126	Edison, T. A	do	Sept. 20, 1887
370,127	Edison, T. A	do	Sept. 20, 1887
370,128	Edison, T. A	do	Sept. 20, 1887
370,129	Edison, T. A	do	Sept. 20, 1887
370,130	Edison, T. A	do	Sept. 20, 1887
370,131	Edison, T. A	do	Sept. 20, 1887
370,132	Edison, T. A	Circuits and systems	Sept. 20, 1887
370,134	Flick, O. C	Batteries, secondary	Sept. 20, 1887
370,193	Jermain, S. P	Telephones, supports	Sept. 20, 1887
370,230	Allison, M. H	Telephones, details	Sept. 20, 1887
370,243	Chase, N. F	Railway signals	Sept. 20, 1887
370,282	Reis, E. E	Heaters	Sept. 20, 1887
370,283	Reis, E. E	Locomotion	Sept. 20, 1887
370,293	Watkins, F. C	Telephones, systems	Sept. 20, 1887
370,328	Flanders, B. S	Telegraphy, fire	Sept. 20, 1887
370,357	Sheehy, R. J	Telegraphy, printing	Sept. 20, 1887
370,366	Birmingham, D. W	Amalgamators, electric	Sept. 20, 1887
370,423	Skinner, J. J	Lights, arc, gravity feed	Sept. 27, 1887
370,424	Skinner, J. J	do	Sept. 27, 1887
370,434	Wessel, F. A	Systems of distribution	Sept. 27, 1887
370,439	Yeakle, J. B. and Stuart, A	Alarms, burglar	Sept. 27, 1887
370,477	Hayes, H. V	Telephones, magnetic	Sept. 27, 1887
370,528	Borel, F	Conductors	Sept. 27, 1887
370,572	Thomson, E. and Rice, E. B., jr	Lights, arc	Sept. 27, 1887
370,573	Thomson, E	Regulators	Sept. 27, 1887
370,575	Van Rysselberghe, F	do	Sept. 27, 1887

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370,576	Van Rysselberghe, F	Telegraphy, reed	Sept. 27, 1887
370,577	Van Rysselberghe, F	do	Sept. 27, 1887
370,605	Carpenter, J. F	Connectors	Sept. 27, 1887
370,683	Carey, A. C	Printing, copying	Sept. 27, 1887
370,691	Field, S. D	Telegraphy, printing	Sept. 27, 1887
370,794	Lahmeyer, W	Magneto-electric	Oct. 4, 1887
370,801	McGowen, J. J	Igniting devices	Oct. 4, 1887
370,831	Tirrell, J. P	Bells	Oct. 4, 1887
370,847	Balloch, E. A	Telephones, details	Oct. 4, 1887
370,851	Berghausen, A	Alarms	Oct. 4, 1887
370,885	Neeper, A. M	Telegraphy, fire	Oct. 4, 1887
370,894	Schlesinger, W. M	Car-brakes	Oct. 4, 1887
370,898	Selden, C	Circuits and systems	Oct. 4, 1887
370,932	Colby, E. J	Time alarms	Oct. 4, 1887
370,955	Le Vin, G. W	Conductors, underground	Oct. 4, 1887
370,978	Sheehy, R. J	Telegraphy, printing	Oct. 4, 1887
370,992	Thompson, E. P	Lights, filaments and carbons	Oct. 4, 1887
370,993	Thompson, E. P	Lights, incandescent	Oct. 4, 1887
370,994	Thompson, E. P	do	Oct. 4, 1887
370,995	Thompson, E. P	Lights, filaments and carbons	Oct. 4, 1887
370,996	Thompson, E. P	Lights, incandescent	Oct. 4, 1887
370,997	Thompson, E. P	do	Oct. 4, 1887
370,998	Thompson, E. P	Lights, filaments and carbons	Oct. 4, 1887
370,999	Thompson, E. P	Lights, incandescent	Oct. 4, 1887
371,000	Thompson, E. P	Lights, filaments and carbons	Oct. 4, 1887
371,001	Thompson, E. P	do	Oct. 4, 1887
371,002	Thompson, E. P	do	Oct. 4, 1887
371,003	Thompson, E. P	Lights, systems and appliances	Oct. 4, 1887
371,111	Wallace, T	Conductors, underground	Oct. 4, 1887
371,121	Barton, W. H. H	Thermostats	Oct. 4, 1887
371,147	Milroy, P	Railway signals	Oct. 4, 1887
371,161	Adams, T. E	Connectors	Oct. 11, 1887
371,189	Fullerton, G. A	Medical and surgical, body-wear	Oct. 11, 1887
371,199	Kimball, A. S. and Brownell, G. L	Applications, tools and machines	Oct. 11, 1887
371,202	Lynch, J	Conductors, underground	Oct. 11, 1887
371,241	Woods, G. T	Telephones, electric	Oct. 11, 1887
371,244	Bailey, M. and Warner, J	Batteries, galvanic	Oct. 11, 1887
371,253	Daft, L	Locomotion	Oct. 11, 1887
371,260	Goodridge, W. M	Telephones, switches	Oct. 11, 1887
371,331	Kornmüller, G	Motors	Oct. 11, 1887
371,336	Mansfield, G. W	Locomotion	Oct. 11, 1887
371,356	Pierce, W. L. L	Medical and surgical, body-wear	Oct. 11, 1887
371,358	Reckenzaun, A	Batteries, secondary	Oct. 11, 1887
371,406	Barnes, W. W	Insulating material	Oct. 11, 1887
371,436	Daft, L	Motors	Oct. 11, 1887
371,439	Eastman, W. H	Telephones, mechanical	Oct. 11, 1887
371,443	Fisher, F. E	Motors	Oct. 11, 1887
371,445	Glasgow, W. and Stevens, S. S	Bells	Oct. 11, 1887
371,521	Rowell, H. N	Medical and surgical, body-wear	Oct. 11, 1887
371,524	Smith, E	Induction-coils	Oct. 11, 1887
371,531	Watson, J. E	Relays and sounders	Oct. 11, 1887
371,536	Amet, E. H	Regulators	Oct. 18, 1887
371,555	Curran, J	Anti-induction devices	Oct. 18, 1887
371,557	Drew, S. C	do	Oct. 18, 1887
371,559	Dyer, R. N	Meters	Oct. 18, 1887
371,570	Fisher, J. J	Lights, sockets and keys	Oct. 18, 1887
371,583	Hobby, A. S	Indicators	Oct. 18, 1887
371,626	Redl, C	Alarms	Oct. 18, 1887
371,640	Thompson, E. W	Reorders	Oct. 18, 1887
371,655	Woods, G. T	Car-brakes	Oct. 18, 1887
371,664	Brannan, J. and Stone, W. E	Dental instruments	Oct. 18, 1887
371,670	Chase, E. M	Railway signals	Oct. 18, 1887
371,681	Grant, J	Insulating material	Oct. 18, 1887
371,696	Meads, S. P	Time alarms	Oct. 18, 1887
371,720	Waddell, M	Galvanometers	Oct. 18, 1887
371,752	Foster, G. W	Telephones, calls	Oct. 18, 1887
371,755	Hard, J. R	Induction-coils	Oct. 18, 1887
371,757	Hott, A. L	Telephones, supports	Oct. 18, 1887
371,803	Waring, R. S	Connectors	Oct. 18, 1887
371,840	Hefner, S. and Phillips, J. H	do	Oct. 18, 1887
371,869	Whitney, E. R	Spring scales	Oct. 18, 1887
371,876	Burgher, C	Telegraphy, fire	Oct. 18, 1887
371,893	King, F	Batteries, secondary, applications	Oct. 18, 1887
371,915	Baker, C. D	Lights, systems and appliances	Oct. 25, 1887
371,936	Hartman, J., jr	Locomotion	Oct. 25, 1887
371,937	Hartman, J., jr	Rheostats	Oct. 25, 1887
371,940	Holcombe, A. G	Telephones, systems	Oct. 25, 1887

No.	NAME.	CLASS.	DATE.
371,958	Markland, W. H.	Galvanometers	Oct. 25, 1887
371,965	Munsie, J. F.	Conductors, underground	Oct. 25, 1887
371,980	Selden, C.	Telegraphy, automatic	Oct. 25, 1887
372,010	Brunet, A.	Coin motors	Oct. 25, 1887
372,012	Colburn, I. W.	Rheostats	Oct. 25, 1887
372,026	Kintner, C. J.	Magnetic locks and bolts	Oct. 25, 1887
372,027	Kintner, C. J.	do	Oct. 25, 1887
372,028	Kintner, C. J.	do	Oct. 25, 1887
372,029	Kintner, C. J.	do	Oct. 25, 1887
372,046	Stuart, G.	Electric cartridges	Oct. 25, 1887
372,078	Metzger, H.	Anti-induction devices	Oct. 25, 1887
372,155	Lane, G. M.	Relays and sounders	Oct. 25, 1887
372,168	Oliver, W.	Applications, general	Oct. 25, 1887
372,193	Armstrong, J. T.	Batteries, galvanic	Oct. 25, 1887
372,201	Brown, C. E. L.	Regulators	Oct. 25, 1887
372,208	Dermitt, S. W. and W. V.	Thermostats	Oct. 25, 1887
372,231	Meston, A. W.	Motors	Oct. 25, 1887
372,245	Watson, J. E.	Telegraphy, automatic	Oct. 25, 1887
372,247	Adams, A. F.	Indicators	Oct. 25, 1887
372,273	Nulty, J. T.	Rails	Oct. 25, 1887
372,313	Haines, R.	Lamp shades	Nov. 1, 1887
372,330	Rice, E. W., jr.	Systems of distribution	Nov. 1, 1887
372,334	Sawyer, F. A.	Lights, systems and appliances	Nov. 1, 1887
372,358	Candray, J.	Meters	Nov. 1, 1887
372,361	Daft, L.	Applications, tools and machines	Nov. 1, 1887
372,363	Deacon, B. R.	Couplings, valved	Nov. 1, 1887
372,378	Lockwood, T. D.	Telephone systems, automatic	Nov. 1, 1887
372,404	Deprez, M. and Abdank-Abakanowicz, B.	Telephones, calls	Nov. 1, 1887
372,409	Fischer, W. and Stiehl, T.	Thermostats	Nov. 1, 1887
372,423	Mallet-Guy, F.	Coiling	Nov. 1, 1887
372,441	Williams, P. G. and Roovers, A. W.	Applications, general	Nov. 1, 1887
372,447	Batchelor, C.	Magneto-electric	Nov. 1, 1887
372,455	Clamond, C.	Telephones, electric	Nov. 1, 1887
372,468	Hering, C.	Batteries, secondary	Nov. 1, 1887
372,475	Leggo, W. A.	Telegraphy, automatic	Nov. 1, 1887
372,494	Shepherd, C. H.	Construction	Nov. 1, 1887
372,501	Thomson, E.	Systems of distribution	Nov. 1, 1887
372,550	McKnight, E.	Conductors, lead-covered	Nov. 1, 1887
372,579	Tafflinger, C. E.	Connectors	Nov. 1, 1887
372,598	Card, G. F.	Car-brakes	Nov. 1, 1887
372,599	Card, G. F.	Connectors	Nov. 1, 1887
372,637	Pond, F. S.	do	Nov. 1, 1887
372,647	Williams, J.	Medical and surgical, body-wear	Nov. 1, 1887
372,657	Cox, H. B.	Bells	Nov. 8, 1887
372,658	Cox, H. B.	Batteries, galvanic	Nov. 8, 1887
372,720	Tucker, A. W. and E. M.	Photography, processes	Nov. 8, 1887
372,734	Wilder, C. H.	Batteries, galvanic	Nov. 8, 1887
372,797	Howell, J. W.	Systems of distribution	Nov. 8, 1887
372,798	Howell, J. W.	do	Nov. 8, 1887
372,799	Howell, J. W.	do	Nov. 8, 1887
372,805	Juengst, G.	Transmitters	Nov. 8, 1887
372,808	Kneuper, F. J.	Medical and surgical, body-wear	Nov. 8, 1887
372,822	Sprague, F. J.	Magneto-electric	Nov. 8, 1887
372,823	Sprague, F. J.	Motors	Nov. 8, 1887
372,824	Sprague, F. J.	Applications, general	Nov. 8, 1887
372,846	Evans, W. W.	Transmitters	Nov. 8, 1887
372,851	Kelly, J. F.	Galvanometers	Nov. 8, 1887
372,860	Montanus, G.	Regulators	Nov. 8, 1887
372,865	Pearce, F.	Railway signals	Nov. 8, 1887
372,910	Higham, D.	Motors	Nov. 8, 1887
372,926	Nevens, F. W.	Apparel	Nov. 8, 1887
372,934	Shallenberger, O. B.	Magneto-electric	Nov. 8, 1887
372,935	Shallenberger, O. B.	do	Nov. 8, 1887
372,936	Shallenberger, O. B.	Systems of distribution	Nov. 8, 1887
372,940	Soden, F. H. and Goehst, H.	Lights, systems and appliances	Nov. 8, 1887
372,942	Stauley, W., jr.	do	Nov. 8, 1887
372,943	Stanley, W., jr.	Systems of distribution	Nov. 8, 1887
372,944	Stanley, W., jr.	do	Nov. 8, 1887
372,945	Stanley, W., jr.	Magneto-electric	Nov. 8, 1887
372,958	Bradley, W. W. and Holroyd, J. R.	Ordinance, electric appliances	Nov. 8, 1887
372,986	Mathis, S.	Lights, arc, positive feed	Nov. 8, 1887
373,009	Byllesby, H. M.	Systems of distribution	Nov. 8, 1887
373,010	Byllesby, H. M.	Galvanometers	Nov. 8, 1887
373,021	Howell, J. W.	Batteries, galvanic	Nov. 8, 1887
373,029	Shallenberger, O. B.	Induction-coils	Nov. 8, 1887
373,034	Walter, H. E.	Magneto-electric	Nov. 8, 1887
373,035	Westinghouse, G., jr.	Systems of distribution	Nov. 8, 1887

No.	NAME.	CLASS.	DATE.
373,036	Westinghouse, G., jr	Systems of distribution	Nov. 8, 1887
373,037	Westinghouse, G., jr	do	Nov. 8, 1887
373,038	Westinghouse, G., jr., Byllesby, H. M., Shal- lenger, O. B. and Schmid, A.	Induction-coils	Nov. 8, 1887
373,043	Baker, J. M.	Bells	Nov. 15, 1887
373,044	Bennett, G. S.	Medical and surgical, body-wear	Nov. 15, 1887
373,046	Bidwell, B.	Locomotion	Nov. 15, 1887
373,061	Easton, L. F.	Valve-controllers	Nov. 15, 1887
373,064	Gassner, C., jr	Batteries, galvanic	Nov. 15, 1887
373,073	Joerke, W. G.	Alarms	Nov. 15, 1887
373,088	Morehouse, M. A.	Medical and surgical, body-wear	Nov. 15, 1887
373,102	Sternberg, G. M.	Bells	Nov. 15, 1887
373,103	Sternberg, G. M.	Thermostats	Nov. 15, 1887
373,104	Sternberg, G. M.	do	Nov. 15, 1887
373,108	Thomson, E.	Motors	Nov. 15, 1887
373,138	Hexamer, C. J.	Clocks, electric	Nov. 15, 1887
373,145	Main, W.	Magneto-electric	Nov. 15, 1887
373,146	Main, W.	do	Nov. 15, 1887
373,152	Oakes, A.	Keys	Nov. 15, 1887
373,160	Tiffany, J. C. and De Mier, J. R.	Telegraphy, railway-car	Nov. 15, 1887
373,207	Tirrell, J. P.	Circuit-closers	Nov. 15, 1887
373,211	Wenström, J.	Separators	Nov. 15, 1887
373,289	Hart, W. H.	Conductors, underground	Nov. 15, 1887
373,334	Brown, C. A.	Batteries, galvanic	Nov. 15, 1887
373,369	Jenney, C. D.	Regulators	Nov. 15, 1887
373,383	Woods, G. T.	Telegraphy, railway-car	Nov. 15, 1887
373,393	Dewing, J. and Bennett, D. F.	Wood-working machinery, boring	Nov. 15, 1887
373,394	Dolbear, A. E.	Conductors	Nov. 15, 1887
373,397	Guest, J. H.	Registers	Nov. 15, 1887
373,399	Hamilton, J. R.	Electrodes	Nov. 15, 1887
373,407	Kress, G. R.	Lightning-rods	Nov. 15, 1887
373,435	Brewer, H. J.	Batteries, galvanic	Nov. 22, 1887
373,452	Gennert, E. F.	Lights, systems and appliances	Nov. 22, 1887
373,508	Wiley, C. J.	Telegraphy, printing	Nov. 22, 1887
373,519	Farnham, I. H.	Telephones, systems	Nov. 22, 1887
373,584	Edison, T. A.	Magneto-electric	Nov. 22, 1887
373,644	Carpentier, J.	Recording attachments	Nov. 22, 1887
373,691	Schwalm, H. F. D.	Decomposing fats	Nov. 22, 1887
373,739	Higham, D.	Regulators	Nov. 22, 1887
373,759	Taylor, G. W.	Connectors	Nov. 22, 1887
373,761	Wiese, G. A.	Lights, arc, gravity feed, gear	Nov. 22, 1887
373,767	Butler, H. D.	Clasps	Nov. 22, 1887
373,859	Sellon, R. P. and Mordey, W. M.	Regulators	Nov. 29, 1887
373,883	Conant, T. P.	Batteries, secondary, applications	Nov. 29, 1887
373,910	Scribner, C. E.	Telephones, calls	Nov. 29, 1887
373,915	Woods, G. T.	Telegraphy, railway-car	Nov. 29, 1887
373,925	Copeland, H. P.	Girders and columns	Nov. 29, 1887
373,934	Homans, C. A.	Lights, arc, gravity feed, frictional	Nov. 29, 1887
373,948	Scribner, C. E.	Magneto-electric	Nov. 29, 1887
373,967	Delany, P. B.	Telegraphy, automatic	Nov. 29, 1887
373,968	Delany, P. B.	Circuits and systems	Nov. 29, 1887
373,971	Easton, J. W.	Magneto-electric	Nov. 29, 1887
373,975	Hammond, B. M.	Meters	Nov. 29, 1887
374,013	Tarbox, J. E.	Balances	Nov. 29, 1887
374,017	Tirrell, J. P.	Cut-outs, electro-magnetic	Nov. 29, 1887
374,028	Woehrle, A. C.	Magnetic locks and bolts	Nov. 29, 1887
374,036	Bosworth, C. B.	Circuit-closers	Nov. 29, 1887
374,038	Burke, C. G.	Telegraphy, automatic	Nov. 29, 1887
374,072	Johnson, W. S.	Valve-controllers	Nov. 29, 1887
374,088	Roosevelt, H. L.	Organ-actions, pneumatic	Nov. 29, 1887
374,103	Wilson, D.	Girders and columns	Nov. 29, 1887
374,129	Noble, C. B.	Lights, arc, gravity feed, frictional	Nov. 29, 1887
374,164	Appleby, J. C.	Conductors, lead-covered	Dec. 6, 1887
374,166	Appleby, J. C.	do	Dec. 6, 1887
374,173	Case, W. E.	Batteries, galvanic	Dec. 6, 1887
374,198	Orcutt, E. L.	Railway signals	Dec. 6, 1887
374,199	Orcutt, E. L.	Connectors	Dec. 6, 1887
374,224	Wheeler, M.	Lights, incandescent	Dec. 6, 1887
374,225	Whitefield, G. W.	Dental instruments	Dec. 6, 1887
374,236	Bentley, E. M.	Locomotion	Dec. 6, 1887
374,315	Nier, W.	Traction, underground	Dec. 6, 1887
374,322	Ricketson, J. C.	Indicators	Dec. 6, 1887
374,329	Waite, H. E.	Batteries, galvanic	Dec. 6, 1887
374,348	Cook, G. W.	Conductors, underground	Dec. 6, 1887
374,374	Reynolds, W. H.	Valve-controllers	Dec. 6, 1887
374,381	Waddell, M.	Systems of distribution	Dec. 6, 1887
374,390	Bixby, A.	Transmitters	Dec. 6, 1887

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374,404	Field, S. D.	Rheostats	Dec. 6, 1887
374,406	Higham, D.	Regulators	Dec. 6, 1887
374,439	Whitney, R. W. and Pultz, F.	Telephones, details	Dec. 6, 1887
374,444	Bixby, A.	Telegraphy, printing	Dec. 6, 1887
374,456	Crouch, F. J.	Batteries, galvanic	Dec. 6, 1887
374,458	Davis, J. P.	Conductors, underground	Dec. 6, 1887
374,495	Pope, W. R.	Applications, general	Dec. 6, 1887
374,528	Entz, J. B.	Igniting devices	Dec. 6, 1887
374,580	Bonwill, W. G. A.	Dental instruments	Dec. 13, 1887
374,581	Boyle, J. C.	Telethermometers	Dec. 13, 1887
374,621	Patten, F. J.	Magneto-electric	Dec. 13, 1887
374,631	Serson, J.	Batteries, galvanic	Dec. 13, 1887
374,640	Sundström, K. J.	Blasting and fuses	Dec. 13, 1887
374,652	Bosworth, C. B.	Cut-outs, electro-magnetic	Dec. 13, 1887
374,669	Freeman, C. R.	Batteries, galvanic	Dec. 13, 1887
374,673	Griscom, W. W.	Batteries, secondary, applications	Dec. 13, 1887
374,711	Slater, H. B.	Magneto-electric	Dec. 13, 1887
374,728	Bliss, E. N.	do	Dec. 13, 1887
374,733	Currie, S. C. C.	Railway signals	Dec. 13, 1887
374,738	Greene, E. E.	Conductors, underground	Dec. 13, 1887
374,747	Muir, J. S.	Electrodes	Dec. 13, 1887
374,778	Congdon, A. F.	Magneto-electric	Dec. 13, 1887
374,792	Holt, G. D.	Conductors, underground	Dec. 13, 1887
374,842	Lange, P. and Shallenberger, O. B.	Cut-outs, thermal	Dec. 13, 1887
374,843	Lange, P.	Connectors	Dec. 13, 1887
374,850	Reinmann, C. F.	Lights, incandescent	Dec. 13, 1887
374,858	Westinghouse, G., jr., Byllesby, H. M., Shallenberger, O. B., Schmid, A. and Hartley, B.	Magneto-electric	Dec. 13, 1887
374,860	Aron, H.	Meters	Dec. 13, 1887
374,861	Aron, H.	do	Dec. 13, 1887
374,862	Barrett, J. A.	Batteries, galvanic	Dec. 13, 1887
374,863	Barrett, J. A.	do	Dec. 13, 1887
374,866	Carr, C.	Railways, elevated	Dec. 13, 1887
374,871	Hochhausen, W.	Motors	Dec. 13, 1887
374,872	Hochhausen, W.	Regulators	Dec. 13, 1887
374,883	Van Hoevenbergh, H.	Motors	Dec. 13, 1887
374,907	Scribner, C. E.	Telephones, systems	Dec. 13, 1887
374,910	Stanley, W., jr.	Motors	Dec. 13, 1887
374,948	Eckert, T. T.	Conductors	Dec. 20, 1887
374,959	Gray, J.	Magneto-electric	Dec. 20, 1887
375,001	Roosevelt, A.	Valve-controllers	Dec. 20, 1887
375,007	Serson, J.	Batteries, galvanic	Dec. 20, 1887
375,014	Slattery, M. M. M.	Lights, systems and appliances	Dec. 20, 1887
375,022	Thomson, E.	Heaters	Dec. 20, 1887
375,034	Wilder, C. H.	Batteries, galvanic	Dec. 20, 1887
375,063	Gibson, J. H.	Railway signals	Dec. 20, 1887
375,083	Martin, M.	Telegraphy, fire	Dec. 20, 1887
375,117	Bergmann, S.	Lights, systems and appliances	Dec. 20, 1887
375,118	Bosworth, C. B.	Igniting devices	Dec. 20, 1887
375,160	Housel, G. W.	Time signals	Dec. 20, 1887
375,238	Welch, M. M.	Circuit-closers	Dec. 20, 1887
375,242	Acheson, E. G.	Batteries, thermal	Dec. 20, 1887
375,243	Acheson, E. G.	do	Dec. 20, 1887
375,255	Blades, H. H.	Motors	Dec. 20, 1887
375,276	Emery, E. C.	Insulators	Dec. 20, 1887
375,280	Forbes, F. A.	Connectors	Dec. 20, 1887
375,295	Kissel, A.	do	Dec. 20, 1887
375,299	Martin, M.	Telegraphy, fire	Dec. 20, 1887
375,328	Baker, C. D.	Rheostats	Dec. 27, 1887
375,339	Cassagnes, G. A.	Telegraphy, multiplex	Dec. 27, 1887
375,346	Field, S. D.	Locomotives	Dec. 27, 1887
375,390	Sneathen, J. B., Michaels, A. and Michales, M. A.	Drills	Dec. 27, 1887
375,392	Stern, W. A.	Meters	Dec. 27, 1887
375,403	Waterhouse, A. G.	Rheostats	Dec. 27, 1887
375,408	Acheson, E. G.	Magneto-electric	Dec. 27, 1887
375,414	Doering, W. H.	Igniting devices	Dec. 27, 1887
375,441	Cox, H. B.	Batteries, galvanic	Dec. 27, 1887
375,442	Cox, H. B.	Annunciators	Dec. 27, 1887
375,456	Newton, E. C.	Telephones, magnetic	Dec. 27, 1887
375,476	Chamberlain, J. C.	Cut-outs, thermal	Dec. 27, 1887
375,542	Eickemeyer, R.	Magneto-electric	Dec. 27, 1887
375,543	Farnham, I. H.	Telephones, systems, automatic	Dec. 27, 1887
375,544	Farnham, I. H.	Bells	Dec. 27, 1887
375,559	McLaughlin, J. F.	Batteries, galvanic	Dec. 27, 1887
375,560	McLaughlin, J. F.	Motors	Dec. 27, 1887
375,561	McLaughlin, J. F.	Batteries, galvanic	Dec. 27, 1887

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375,569	Rogers, C. D.	Telegraphy, fire	Dec. 27, 1887
375,579	Tainter, C. S.	Phonographs	Dec. 27, 1887
375,614	Eickemeyer, R.	Igniting devices	Dec. 27, 1887
375,617	Firman, L. B.	Telegraphy, fire	Dec. 27, 1887
375,633	James, De W. C.	Insulating materials	Dec. 27, 1887
375,636	Kells, C. E., jr.	Fire engines, chemical	Dec. 27, 1887
375,649	Patten, A. B. and Conner, R. S.	Railway signals	Dec. 27, 1887
375,676	Juhen, E.	Motors	Dec. 27, 1887
375,685	Scribner, C. E.	Telephones, systems	Dec. 27, 1887
375,697	Easton, J. W.	Electro-magnets, machines for winding	Dec. 27, 1887
375,702	Fasoldt, E. C.	Lights, systems and appliances	Dec. 27, 1887
375,727	Bridger, H. C.	Circuits and systems	Jan. 3, 1888
375,749	Humans, W.	Electro-magnets	Jan. 3, 1888
375,750	Humans, W.	Magneto-electric	Jan. 3, 1888
375,751	Humans, W.	Magneto-electro, hand machines	Jan. 3, 1888
375,756	Lawshe, S. R.	Lightning-rods	Jan. 3, 1888
375,766	Noyes, J. G.	Morse registers	Jan. 3, 1888
375,784	Thomson, E.	Heaters	Jan. 3, 1888
375,834	Register, H. C.	Drills	Jan. 3, 1888
375,835	Robinson, E. W., O'Brien, C. H. and Breen, H. M.	Electrodes	Jan. 3, 1888
375,862	Berthold, V. M.	Telephones	Jan. 3, 1888
375,876	Johnson, I. La R.	Locomotion	Jan. 3, 1888
375,898	Selden, C.	Telegraphy, duplex	Jan. 3, 1888
375,910	Zipernowsky, K. and Deri, M.	Regulators	Jan. 3, 1888
375,915	Barrett, J. P. and Mehren, J. F.	Heaters	Jan. 3, 1888
375,925	Crawford, J. and Ker, J. B.	Telephones, systems	Jan. 3, 1888
375,952	Requa, L. F.	Conductors	Jan. 3, 1888
375,977	Banks, D. B. and Hutchins, G. K.	Towers	Jan. 3, 1888
376,007	Miller, W. H.	Lights, arc, gravity feed, frictional	Jan. 3, 1888
376,018	Whitney, E. R.	Induction-coils	Jan. 3, 1888
376,019	Wilder, C. H.	Minor plastics, miscellaneous	Jan. 3, 1888
376,060	Beedy, S. E.	Telephones, electric	Jan. 10, 1888
376,071	Cole, W. R.	Circuit-closers	Jan. 10, 1888
376,072	Cole, W. R.	do	Jan. 10, 1888
376,116	Stevens, A. D.	Batteries, secondary, applications	Jan. 10, 1888
376,120	Thomson, E.	Regulators	Jan. 10, 1888
376,121	Tucker, C. A.	Magnetic locks and bolts	Jan. 10, 1888
376,133	Barrett, J. P.	Telegraphy, fire	Jan. 10, 1888
376,149	Haight, H. J.	Telethermometers	Jan. 10, 1888
376,171	Tirrell, J. P.	Annunciators	Jan. 10, 1888
376,212	Shanck, H. K.	Explosives	Jan. 10, 1888
376,228	Beattie, J., jr.	Batteries, galvanic	Jan. 10, 1888
376,281	Berghausen, A.	Indicators	Jan. 10, 1888
376,307	Jehl, F.	Magneto-electric	Jan. 10, 1888
376,323	Leber, L. H.	Lights, incandescent	Jan. 10, 1888
376,326	Lemp, H.	Magneto-electric	Jan. 10, 1888
376,423	Arnold, C. R.	Lights, systems and appliances	Jan. 17, 1888
376,429	Creighton, W. G.	Locomotion	Jan. 17, 1888
376,541	Mergenthaler, O.	Applications, tools and machines	Jan. 17, 1888
376,562	Van Buren, R. and Powers, J. J.	Conductors, underground	Jan. 17, 1888
376,567	Weems, D. G.	Locomotion	Jan. 17, 1888
376,569	Whitehead, S. B.	Relays and sounders	Jan. 17, 1888
376,579	Burcey, C. J. T.	Incrustation	Jan. 17, 1888
376,583	Colby, E. A.	Lights, sockets and keys	Jan. 17, 1888
376,601	Leiter, J.	Miscellaneous	Jan. 17, 1888
376,615	Thurber, W. E. and McConnell, J.	Telephones, supports	Jan. 17, 1888
376,617	Vance, S. B. H.	Lights, systems and appliances	Jan. 17, 1888
376,630	Brush, C. F.	Electro-magnets	Jan. 17, 1888
376,651	Hexamer, C. J.	Valve-controllers	Jan. 17, 1888
376,661	Kölzer, J.	Repeaters	Jan. 17, 1888
376,706	Brown, F. H.	Telephones, magnetic	Jan. 17, 1888
376,707	Brown, F. H.	do	Jan. 17, 1888
376,709	Clute, N. J.	Car-brakes	Jan. 17, 1888
376,730	Bushfield, S. B.	Medical and surgical, body-wear	Jan. 24, 1888
376,818	Egleston, T.	Conductors	Jan. 24, 1888
376,862	Curtiss, R. M.	Railways, pneumatic	Jan. 24, 1888
376,863	Cutting, W. H.	Annunciators	Jan. 24, 1888
376,880	Haight, H. J.	Thermostats	Jan. 24, 1888
376,893	Lindemann, E. C.	Conductors, underground	Jan. 24, 1888
376,920	Skrivan, O. and Dvorak, F.	Time-checks	Jan. 24, 1888
376,973	Wood, P. W. and J. B.	Telephones, calls	Jan. 24, 1888
376,976	Bergmann, S. and Dempster, J. T.	Cut-outs, mechanical	Jan. 24, 1888
377,021	Easton, L. F.	Thermostats	Jan. 31, 1888
377,046	O'Beirne, E. J.	Magneto-electric	Jan. 31, 1888
377,058	Batten, J.	Escape ladders, fixed	Jan. 31, 1888
377,073	Hibbard, A. S.	Cut-outs, thermal	Jan. 31, 1888

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377,083	Milliken, G. F. and Lytle, H. B	Telegraphy, fire, alarms and extinguishers	Jan. 31, 1888
377,107	Hunter, R. M	Locomotion	Jan. 31, 1888
377,110	Logue, W. S	Circuits and systems	Jan. 31, 1888
377,118	Scheffbauer, R	Conductors	Jan. 31, 1888
377,210	Pennock, G. B	Batteries, galvanic	Jan. 31, 1888
377,215	Schlesinger, W. M	Locomotion	Jan. 31, 1888
377,217	Thomson, E	Motors	Jan. 31, 1888
377,218	Totman, G. W. and P. C.	Medical and surgical, body-wear	Jan. 31, 1888
377,229	Bentley, E. M	Locomotion	Jan. 31, 1888
377,230	Bentley, E. M	do	Jan. 31, 1888
377,237	Cole, G. H	Cut-outs, mechanical	Jan. 31, 1888
377,255	Higham, D	Motors	Jan. 31, 1888
377,256	Hoffman, J. W	Annunciators	Jan. 31, 1888
377,319	Mason, C. T	Locomotion	Jan. 31, 1888
377,340	Urquhart, D. and Nicholson, B	Batteries, galvanic	Jan. 31, 1888
377,344	Williams, C. W	Railway signals	Jan. 31, 1888
377,374	Edison, T. A	Telegraphy, duplex	Feb. 7, 1888
377,383	Holley, W. A. and Malin, W	Grain meters	Feb. 7, 1888
377,397	Ludlow, W. I	Conductors	Feb. 7, 1888
377,408	Smith, R. T	Embroidering	Feb. 7, 1888
377,409	Smith, R. T	do	Feb. 7, 1888
377,413	Smith, R. T	Applications, tools and machines	Feb. 7, 1888
377,441	Scribner, C. E	Telephones, systems	Feb. 7, 1888
377,475	Bahr, J. F	Telephones, electric	Feb. 7, 1888
377,487	Hayden, E. S	Electro deposition	Feb. 7, 1888
377,488	Howell, J. W	Systems of distribution	Feb. 7, 1888
377,505	White, L. S	Igniting devices	Feb. 7, 1888
377,518	Edison, T. A	Separators	Feb. 7, 1888
377,538	Stocker, W. F	Circuit-closers	Feb. 7, 1888
377,539	Stocker, W. F	Bells	Feb. 7, 1888
377,553	Finck, J	Igniting devices	Feb. 7, 1888
377,591	Whitney, E. R	Grain meters	Feb. 7, 1888
377,612	Hayes, H. V	Telephones, electric	Feb. 7, 1888
377,615	Higgins, E. E. and James, J	Lights, arc	Feb. 7, 1888
377,622	Knight, W. H	Locomotion	Feb. 7, 1888
377,626	Le Grande, W. W	Railway signals	Feb. 7, 1888
377,634	Nicholson, T. S	do	Feb. 7, 1888
377,642	Sellon, J. S	Batteries, secondary	Feb. 7, 1888
377,683	Mather, R. H	Magneto-electric	Feb. 7, 1888
377,684	Mather, R. H	Regulators	Feb. 7, 1888
377,742	Daniels, E. O	Lightning-rods	Feb. 14, 1888
377,745	Foote, T. M	Batteries, galvanic	Feb. 14, 1888
377,763	Linville, J. H	Telegraphy, printing	Feb. 14, 1888
377,788	Traver, E. P. and Kngler, G. H	Telephones, systems	Feb. 14, 1888
377,851	Gardner, P. G	Blasting and fuses	Feb. 14, 1888
377,862	Oehmen, B	Relays and sounders	Feb. 14, 1888
377,872	Ten Broeck, T. R	Induction-coils	Feb. 14, 1888
377,879	Ader, C	Circuits and systems	Feb. 14, 1888
377,884	Crowds, W. A. and Sutton, H. M	Regulators	Feb. 14, 1888
377,894	Hart, M. J	Towers	Feb. 14, 1888
377,895	Harvey, W. B	Clocks, electric	Feb. 14, 1888
377,916	Tirreil, J. P	Bells	Feb. 14, 1888
377,953	Mills, A	Girders and columns	Feb. 14, 1888
377,962	Smith, R. F	Explosives	Feb. 14, 1888
377,994	Dickerson, E. N., jr	Systems of distribution	Feb. 14, 1888
377,996	Eickemeyer, R	Magneto-electric	Feb. 14, 1888
377,997	Eickemeyer, R	Electro-magnets, machines for winding	Feb. 14, 1888
378,021	Silliman, R. F	Conductors, underground	Feb. 14, 1888
378,029	Warner, E. P	Galvanometers	Feb. 14, 1888
378,030	Warner, E. P	Telephones, systems	Feb. 14, 1888
378,044	Edison, T. A	Telephones, electric	Feb. 14, 1888
378,078	Barnes, W. A	Telegraphy, fire, alarms and extinguishers	Feb. 21, 1888
378,107	Pike, D. E	Telegraphy, printing	Feb. 21, 1888
378,115	Sellon, J. S	Batteries, secondary, applications	Feb. 21, 1888
378,121	Walter, H	Batteries, galvanic	Feb. 21, 1888
378,122	Walter, H. and Marsh, W. E. H	do	Feb. 21, 1888
378,124	Wetzler, J. and S	Bells	Feb. 21, 1888
378,137	Johnson, W. S	Thermostats	Feb. 21, 1888
378,175	Patterson, W. R	Conductors	Feb. 21, 1888
378,181	Selden, C	Telegraphy, duplex	Feb. 21, 1888
378,202	Jensen, H. P. F., Webb, B. W. and Jensen, J	Time alarms	Feb. 21, 1888
378,250	Hinton, J. R. H	Telephones, switches	Feb. 21, 1888
378,258	Mace, T	Lights, filaments and carbons	Feb. 21, 1888
378,259	Mason, C. T	Locomotion	Feb. 21, 1888
378,298	Farmer, M. G	Telephones, electric	Feb. 21, 1888
378,320	Kennedy, R	Induction-coils	Feb. 21, 1888
378,321	Kennedy, R	do	Feb. 21, 1888

No.	NAME.	CLASS.	DATE.
378,332	Melbourne, W. A	Keys	Feb. 21, 1888
378,339	Smith, A. C	Show boxes and cards	Feb. 21, 1888
378,358	Doubleday, H. M	Lights, systems and appliances	Feb. 21, 1888
378,375	Rechniewski, W. C	Magneto-electric	Feb. 21, 1888
378,385	Brown, A. W	Telephones, magnetic	Feb. 21, 1888
378,426	Bliss, E. N. and Middleton, J. F	Cameras	Feb. 28, 1888
378,428	Brill, J. A	Railway cars	Feb. 28, 1888
378,432	Conant, T. P. and Latshaw, Z	Systems of distribution	Feb. 28, 1888
378,435	Cornan, C. A	Thermostats	Feb. 28, 1888
378,436	Delany, P. B	Telegraphy, printing	Feb. 28, 1888
378,437	Delany, P. B	do	Feb. 28, 1888
378,440	Guntz, G	Indicators	Feb. 28, 1888
378,456	Moses, O. A	Magneto-electric	Feb. 28, 1888
378,464	Russel, L	Repeaters	Feb. 28, 1888
378,484	Wiest, J	Batteries, galvanic	Feb. 28, 1888
378,517	Orcutt, E. L	Connectors	Feb. 28, 1888
378,527	Sellon, J. S	Batteries, secondary, applications	Feb. 28, 1888
378,547	Hill, W. S	Regulators	Feb. 28, 1888
378,552	Orcutt, E. L	Relays and sounders	Feb. 28, 1888
378,560	Waring, R. S	Conductors, underground	Feb. 28, 1888
378,561	Waring, R. S	do	Feb. 28, 1888
378,568	Baumann, R	Permutation locks	Feb. 28, 1888
378,616	Poland, L. N. P	Lights, arc, gravity feed, gear	Feb. 28, 1888
378,629	Stecher, M	Batteries, secondary	Feb. 28, 1888
378,657	Carpenter, J. F	Steam and air brakes	Feb. 28, 1888
378,658	Carpenter, J. F	do	Feb. 28, 1888
378,668	Exley, R	Applications, general	Feb. 28, 1888
378,677	Holtzer, C. W	Igniting devices	Feb. 28, 1888
378,679	Haskins, C. H	Telephones, systems	Feb. 28, 1888
378,681	Hermite, E. and Cooper, C. F	Bleaching	Feb. 28, 1888
378,737	Spencer, T	Systems of distribution	Feb. 28, 1888
378,738	Spencer, T	do	Feb. 28, 1888
378,780	Ehrlich, L., Dubinski, B. and Rein, G	Telephones, magnetic	Feb. 28, 1888
378,797	Mergenthaler, O	Matrix making	Feb. 28, 1888
378,798	Mergenthaler, O	do	Feb. 28, 1888
378,801	Muckle, M. R., jr	Conductors, underground	Feb. 28, 1888
378,802	Muckle, M. R., jr	do	Feb. 28, 1888
378,818	Wightman, M. J. and Rasmussen, E	Lights, arc, gravity feed, gear	Feb. 28, 1888
378,864	Bauer, A. H.	Locomotion	Mar. 6, 1888
378,876	Dooley, J. W	Alarms	Mar. 6, 1888
378,892	Loomis, O. P	Magneto-electric	Mar. 6, 1888
378,913	Wing, L. J	Rails	Mar. 6, 1888
378,927	Gibson, E. T	Telegraphy, fire	Mar. 6, 1888
378,943	Terrell, G. E	Batteries, galvanic	Mar. 6, 1888
378,971	Neal, L. M	Insulators	Mar. 6, 1888
378,980	Schlesinger, W. M	Locomotion	Mar. 6, 1888
378,983	Smith, A. A	Telegraphy, fire	Mar. 6, 1888
379,016	Kunhardt, D	Telegraphy, automatic	Mar. 6, 1888
379,037	Urban, O. and Wightman, M. J	Magneto-electric	Mar. 6, 1888
379,060	Hamilton, E. M	Relays and sounders	Mar. 6, 1888
379,061	Hamilton, E. M	do	Mar. 6, 1888
379,062	Hamilton, E. M	Circuit-closers	Mar. 6, 1888
379,063	Hamilton, E. M	Keys	Mar. 6, 1888
379,064	Hamilton, E. M	Relays and sounders	Mar. 6, 1888
379,069	Hopkins, W. W	Locomotion	Mar. 6, 1888
379,070	Hopkins, W. W	do	Mar. 6, 1888
379,073	Jehl, F	Systems of distribution	Mar. 6, 1888
379,074	Lambdin, C	Telephones, switches	Mar. 6, 1888
379,081	Short, S. H	Locomotion	Mar. 6, 1888
379,082	Short, S. H	Traction, underground	Mar. 6, 1888
379,144	Wright, C. H.	Alarms, burglar	Mar. 6, 1888
379,180	Partz, A. F. W	Batteries, galvanic	Mar. 6, 1888
379,201	Johnson, W. S	Thermostats	Mar. 6, 1888
379,203	Kölzer, J	Repeaters	Mar. 6, 1888
10,907	Eisenhardt, C. A (Reis. of 331,121.)	Induction-coils	Mar. 6, 1888
379,221	Ilering, C	Connectors	Mar. 13, 1888
379,255	Thone, F	Lights, sockets and keys	Mar. 13, 1888
379,284	Rice, L. C	Magneto-electric	Mar. 13, 1888
379,339	Stevens, G. M	Telegraphy, fire	Mar. 13, 1888
379,344	Tittle, D. J., jr	Miscellaneous	Mar. 13, 1888
379,363	Copeland, H. P	Transmitters	Mar. 13, 1888
379,372	Crouch, F. J	Batteries, galvanic	Mar. 13, 1888
379,396	Hagan, G. L	Igniting devices	Mar. 13, 1888
379,404	Lockwood, W. V	Telegraphy, fire	Mar. 13, 1888
379,406	McLaughlin, J. F	Type-writing	Mar. 13, 1888
379,408	Muckle, M. R., jr	Conductors, underground	Mar. 13, 1888
379,453	De Benardos, N	Heaters	Mar. 13, 1888

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379,459	Glasgow, W. and Stevens, S. S.	Telegraphy, railway-car	Mar. 13, 1888
379,465	Hermite, E. and Cooper, C. F.	Bleaching	Mar. 13, 1888
379,466	Higham, D.	Motors	Mar. 13, 1888
379,467	Higham, D.	do	Mar. 13, 1888
379,501	Brann, F. W. and Kinney, G. I.	Cut-outs, mechanical	Mar. 13, 1888
379,503	Burton, G. D.	Railways, pneumatic	Mar. 13, 1888
379,509	Enos, J. A.	Locomotion	Mar. 13, 1888
379,511	Farrar, W. B.	Clocks, electric	Mar. 13, 1888
379,532	Farnham, I. H.	Conductors, underground	Mar. 13, 1888
379,535	Hewitt, W.	Conductors	Mar. 13, 1888
379,551	Woodward, H.	Batteries, galvanic	Mar. 13, 1888
379,552	Woodward, H.	do	Mar. 13, 1888
379,567	Faure, C. A.	Batteries, secondary	Mar. 20, 1888
379,572	Gibson, C. D. P.	do	Mar. 20, 1888
379,598	Otto, G.	Connectors	Mar. 20, 1888
379,674	Bolmer, T. H.	Explosives	Mar. 20, 1888
379,689	Deprez, M.	Magneto-electric	Mar. 20, 1888
379,758	Botts, B. N.	Annunciators	Mar. 20, 1888
379,766	Dibble, F. J.	Telethermometers	Mar. 20, 1888
379,770	Edison, T. A.	Lights, incandescent	Mar. 20, 1888
379,771	Edison, T. A.	Regulators	Mar. 20, 1888
379,772	Edison, T. A.	Batteries, secondary, applications	Mar. 20, 1888
379,783	Hill, E.	Operating ordnance	Mar. 20, 1888
379,792	Knowles, E. R.	Lights, arc	Mar. 20, 1888
379,802	McLaughlin, J. F.	Motors	Mar. 20, 1888
379,815	Ries, E. E.	Locomotion	Mar. 20, 1888
379,816	Ries, E. E. and Henderson, A. H.	do	Mar. 20, 1888
379,820	Schanschieff, A.	Salines	Mar. 20, 1888
379,822	Seiler, C.	Heaters	Mar. 20, 1888
379,832	Talcott, W., 2d	Knitting and netting, stopping	Mar. 20, 1888
379,842	Wilkes, G.	Lights, sockets and keys	Mar. 20, 1888
379,865	Fuller, F. L.	Recorders	Mar. 20, 1888
379,904	Oehle, A. C.	Railways, elevated	Mar. 20, 1888
379,909	Ries, E. E.	Locomotion	Mar. 20, 1888
379,911	Schanschieff, A.	Batteries, galvanic	Mar. 20, 1888
379,944	Edison, T. A.	Magneto-electric	Mar. 27, 1888
379,956	Heisler, C.	Regulators	Mar. 27, 1888
379,977	Parke, J. Y.	Igniting devices	Mar. 27, 1888
379,991	Shepard, C. D.	Ships, sub-marine and torpedo	Mar. 27, 1888
380,010	Young, C. S. and Painter, G. E.	Annunciators	Mar. 27, 1888
380,020	Card, G. F.	Magneto-electric	Mar. 27, 1888
380,022	Cole, F. W.	Telegraphy, fire	Mar. 27, 1888
380,053	Sawyer, W. H.	Conductors	Mar. 27, 1888
380,054	Sawyer, W. H.	do	Mar. 27, 1888
380,060	Speed, F. M.	Locomotion	Mar. 27, 1888
380,074	Adams, T. E.	Lights, arc	Mar. 27, 1888
380,084	Brewer, H. J.	Batteries, galvanic	Mar. 27, 1888
380,085	Brewer, H. J.	do	Mar. 27, 1888
380,100	Edison, T. A.	Motors	Mar. 27, 1888
380,101	Edison, T. A.	Systems of distribution	Mar. 27, 1888
380,102	Edison, T. A.	do	Mar. 27, 1888
380,103	Field, S. D.	Locomotion	Mar. 27, 1888
380,114	Heisler, C.	Cut-outs, electro-magnetic	Mar. 27, 1888
380,115	Heisler, C.	Magneto-electric	Mar. 27, 1888
380,138	Ries, E. E.	Induction-coils	Mar. 27, 1888
380,144	Sprague, F. J.	Magneto-electric	Mar. 27, 1888
380,157	Acheson, E. G.	Conductors	Mar. 27, 1888
380,158	Acheson, E. G. and Anderson, B. F.	do	Mar. 27, 1888
380,165	Bennett, A. W. and Millen, J. M.	Railway signals	Mar. 27, 1888
380,202	Heisler, C.	Lights, sockets and keys	Mar. 27, 1888
380,215	Moore, M. E.	do	Mar. 27, 1888
380,241	Barnes, W. A.	Telegraphy, fire alarms and extinguishers	Mar. 27, 1888
380,261	Jackson, R. F. and Pope, W. R.	Medical and surgical, baths	Mar. 27, 1888
380,271	Adams, C. W.	Lights, arc	Mar. 27, 1888
380,295	Phillips, W. A.	Conductors	Mar. 27, 1888
380,301	Tompkins, W. M.	Drop-lights and hangers	Mar. 27, 1888
10,915	Irwin, J. H. (Reis. of 209,266.)	Telephones, electric	Mar. 27, 1888
380,310	Borland, D. R.	Keys	Apr. 3, 1888
380,316	Farrar, J. H.	Railway signals	Apr. 3, 1888
380,332	Bullitt, L. McK. and Greene, O. C.	Circuit-closers	Apr. 3, 1888
380,394	Kissell, A. S.	Thermostats	Apr. 3, 1888
380,409	Stitzel, F. and Weinedel, C.	Railway signals	Apr. 3, 1888
380,426	Farmer, M. G.	Telephones, electric	Apr. 3, 1888
380,427	Farmer, M. G.	do	Apr. 3, 1888
380,430	Frishmuth, W.	Batteries, galvanic	Apr. 3, 1888
380,435	Harding, A.	Lights, arc	Apr. 3, 1888
380,437	House, W. D.	Telephones, electric	Apr. 3, 1888

No.	NAME.	CLASS.	DATE.
380,438	House, W. D	Telephones, electric	Apr. 3, 1888
380,469	Whipple, S. A	Locomotion	Apr. 3, 1888
380,535	Tainter, C. S	Phonographs	Apr. 3, 1888
380,545	Berton, C	Lights, arc	Apr. 3, 1888
380,554	De Benardos, N	Batteries, secondary	Apr. 3, 1888
380,568	Harness, C. B	Medical and surgical, body-wear	Apr. 3, 1888
380,589	O'Keenan, C. E	Batteries, galvanic	Apr. 3, 1888
380,594	Randall, C. A	Hand stamps	Apr. 3, 1888
380,595	Randall, C. A	do	Apr. 3, 1888
380,610	Van Gestel, J. T	Conductors, lead-covered	Apr. 3, 1888
380,620	Crowdus, W. A. and Sutton, H. M	Magneto-electric	Apr. 3, 1888
380,646	De Mier, J. R	Telegraphy, railway-car	Apr. 3, 1888
380,647	De Mier, J. R	Connectors	Apr. 3, 1888
380,655	Martin, M	Telegraphy, fire	Apr. 3, 1888
380,702	Slater, H. B	Magneto-electric	Apr. 10, 1888
380,752	Farnham, I. H	Telephones, electric	Apr. 10, 1888
380,757	Hart, W. H. and Goodfellow, J. T	Conductors, underground	Apr. 10, 1888
380,765	Pendleton, J. M	Batteries, secondary	Apr. 10, 1888
380,766	Perkins, C. G. and Tregoning, J	Out-outs, thermal	Apr. 10, 1888
380,778	Wilson, J. C	Telegraphy, fire	Apr. 10, 1888
380,779	Wilson, J. C	do	Apr. 10, 1888
380,780	Wilson, J. C	do	Apr. 10, 1888
380,817	Prichard, F. E	Valve-controllers	Apr. 10, 1888
380,824	Schlepegrell, F. W	Alarms	Apr. 10, 1888
380,829	Swarts, H. J	Connectors	Apr. 10, 1888
380,842	Williamson, J. R. and Hickies, W. W	Applications, general	Apr. 10, 1888
380,845	Belfield, R	Systems of distribution	Apr. 10, 1888
380,846	Belfield, R	do	Apr. 10, 1888
380,855	Brewer, H. J	Batteries, galvanic	Apr. 10, 1888
380,856	Brewer, H. J	do	Apr. 10, 1888
380,872	Draper, D	Thermometers	Apr. 10, 1888
380,879	Field, S. D	Locomotion	Apr. 10, 1888
380,880	Field, S. D	do	Apr. 10, 1888
380,905	Marston, F. DuP	Telephones, electric	Apr. 10, 1888
380,922	Packer, R	Batteries, secondary	Apr. 10, 1888
380,925	Phelps, G. M	do	Apr. 10, 1888
380,942	Shallenberger, O. B	Batteries, galvanic	Apr. 10, 1888
380,943	Shallenberger, O. B	do	Apr. 10, 1888
380,944	Shallenberger, O. B	do	Apr. 10, 1888
380,945	Shallenberger, O. B	Lights, systems and appliances	Apr. 10, 1888
380,946	Shallenberger, O. B. and Byllesby, H. M	Systems of distribution	Apr. 10, 1888
380,947	Shallenberger, O. B. and Byllesby, H. M	Batteries, galvanic	Apr. 10, 1888
380,971	Armstrong, J. T	do	Apr. 10, 1888
380,989	Carpenter, H. H	Batteries, secondary	Apr. 10, 1888
381,004	Farmer, M. G	Nickel plating	Apr. 10, 1888
381,048	Wynne, F	Locomotion	Apr. 10, 1888
381,054	Byllesby, H. M. and Shallenberger, O. B	Systems of distribution	Apr. 10, 1888
381,167	Purdy, H	Reflectors	Apr. 17, 1888
381,220	Davis, M. M	Telegraphy, quadruplex	Apr. 17, 1888
381,222	Diehl, P	Motors	Apr. 17, 1888
381,228	Fiske, B. A	do	Apr. 17, 1888
381,234	Graham, J. M	Telephones, electric	Apr. 17, 1888
381,246	Hotchkiss, Z. P	Telegraphy, automatic	Apr. 17, 1888
381,251	Jones, F. W	Telegraphy, dynamo	Apr. 17, 1888
381,254	Knowles, E. R	Regulators	Apr. 17, 1888
381,260	Leighton, J. T	Medical and surgical, body-wear	Apr. 17, 1888
381,269	Morse, P. C	Cut-outs, mechanical	Apr. 17, 1888
381,271	Mueller, E. T	Slates	Apr. 17, 1888
381,279	Pruden, S. M	Indicators	Apr. 17, 1888
381,303	Welden, R. H	Telephones, switch-boards	Apr. 17, 1888
381,304	Weston, E	Rheostats	Apr. 17, 1888
381,305	Weston, E	do	Apr. 17, 1888
381,314	Wood, F. B	Bells	Apr. 17, 1888
381,336	Clafin, C. R. B., jr. and Flagg, J. W	Batteries, galvanic	Apr. 17, 1888
381,343	De Mier, J. R	Telegraphy, railway-car	Apr. 17, 1888
381,344	De Mier, J. R	do	Apr. 17, 1888
381,372	Hermite, E. and Cooper, C. F	Bleaching	Apr. 17, 1888
381,382	Johnson, E. H	Telephones, electric	Apr. 17, 1888
381,394	Loomis, O. P	Magneto-electric	Apr. 17, 1888
381,395	Love, J. C	Locomotion	Apr. 17, 1888
381,396	Love, J. C. and Snediker, J. F	Cars, steam street	Apr. 17, 1888
381,398	Mather, R. H	Regulators	Apr. 17, 1888
381,420	Rice, E. W., jr	Systems of distribution	Apr. 17, 1888
381,421	Ries, E. E	Magneto-electric	Apr. 17, 1888
381,422	Riker, A. L	Batteries, galvanic	Apr. 17, 1888
381,430	Scribner, C. E	Telephones, systems	Apr. 17, 1888
381,431	Scribner, C. E	do	Apr. 17, 1888

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381,440	Thaxter, G. E.	Igniting devices	Apr. 17, 1888
381,441	Thomson, E.	Meters	Apr. 17, 1888
381,442	Thomson, E.	do	Apr. 17, 1888
381,443	Thomson, E.	do	Apr. 17, 1888
381,446	Von der Kammer, J.	Cut-outs, mechanical	Apr. 17, 1888
381,451	Wenström, J.	Magneto-electric	Apr. 17, 1888
381,459	Atkinson, T.	Fire engines, chemical	Apr. 17, 1888
381,480	Mott, S. D.	Meters	Apr. 17, 1888
381,492	Blickensderfer, G. C. and Hallock, J. K.	Applications, tools and machines	Apr. 17, 1888
381,531	Collins, W. H.	Telephones, magnetic	Apr. 24, 1888
381,539	Dilley, C. M.	Bell-hanging, pulls	Apr. 24, 1888
381,542	Egan, C. E.	Batteries, galvanic	Apr. 24, 1888
381,555	Hunter, R. M.	Locomotion	Apr. 24, 1888
381,556	Hunter, R. M.	do	Apr. 24, 1888
381,568	Mather, R. H.	Magneto-electric	Apr. 24, 1888
381,576	Parrish, M. W.	Annunciators	Apr. 24, 1888
381,585	Schlesinger, W. M.	Locomotion	Apr. 24, 1888
381,614	Clingman, T. L.	Lights, filaments and carbons	Apr. 24, 1888
381,636	Müller, M. A.	Magneto-electric	Apr. 24, 1888
381,650	Short, S. H.	Locomotion	Apr. 24, 1888
381,653	Steel, J.	Conductors, underground	Apr. 24, 1888
381,669	Bickford, J. H.	Indicators	Apr. 24, 1888
381,693	Gross, A.	Compasses	Apr. 24, 1888
381,700	Kelley, J. F.	Magneto-electric	Apr. 24, 1888
381,709	Martin, M.	Annunciators	Apr. 24, 1888
381,725	Schneider, J.	Magnetic locks and bolts	Apr. 24, 1888
381,736	Weston, E.	Galvanometers	Apr. 24, 1888
381,738	Willis, J. B.	Annunciators	Apr. 24, 1888
381,764	Delany, P. B.	Circuits and systems	Apr. 24, 1888
381,765	De Redou, C. F.	Bells	Apr. 24, 1888
381,768	Field, S. D.	Motors	Apr. 24, 1888
381,772	Geary, J.	Annunciators	Apr. 24, 1888
381,780	Hayes, H. V.	Galvanometers	Apr. 24, 1888
381,789	Innrich, M.	Magneto-electric	Apr. 24, 1888
381,794	Kennedy, R.	Systems of distribution	Apr. 24, 1888
381,815	Ries, E. E.	Heaters	Apr. 24, 1888
381,816	Ries, E. E.	do	Apr. 24, 1888
381,817	Ries, E. E.	do	Apr. 24, 1888
381,818	Ries, E. E.	do	Apr. 24, 1888
381,819	Ries, E. E.	do	Apr. 24, 1888
381,823	Bickford, J. H.	Bells	Apr. 24, 1888
381,839	Jones, F. W.	Dynamos	Apr. 24, 1888
381,852	Schuchman, A.	Alarms, burglar	Apr. 24, 1888
381,856	Sibley, C. C.	Motors	Apr. 24, 1888
381,862	Taylor, G. R. and Heckert, W.	Railways, elevated	Apr. 24, 1888
381,866	Weil, L.	Valve-controllers	Apr. 24, 1888
381,896	Young, J.	Telegraphy, fire	Apr. 24, 1888
381,907	Connolly, T. A. and A. A.	Locomotion	May 1, 1888
381,915	Dey, H. E.	Batteries, secondary, applications	May 1, 1888
381,921	Gennert, E. F.	Gas fittings	May 1, 1888
381,938	McCoy, J. A.	Telephones, systems, automatic	May 1, 1888
381,941	Meserole, A. V.	Batteries, secondary	May 1, 1888
381,953	Reitler, C. W.	Medical and surgical, body-wear	May 1, 1888
381,968	Tesla, N.	Transmission of power	May 1, 1888
381,969	Tesla, N.	do	May 1, 1888
381,970	Tesla, N.	Systems of distribution	May 1, 1888
381,992	Fessenden, G. B.	Recorders	May 1, 1888
381,993	Fessenden, G. B.	do	May 1, 1888
382,001	Holtzer, C. W.	Igniting devices	May 1, 1888
382,056	Ruggles, D.	Signals, nautical	May 1, 1888
382,098	Madden, A. F.	Batteries, secondary	May 1, 1888
382,110	Reilly, C. P.	Lights, sockets and keys	May 1, 1888
382,112	Sellon, J. S.	Batteries, secondary	May 1, 1888
382,159	Hermite, E.	Bleaching	May 1, 1888
382,165	Johnson, W. S.	Thermostats	May 1, 1888
382,174	Mackie, R.	Magneto-electric	May 1, 1888
382,183	Omholt, J.	Reducing and separation, aluminum	May 1, 1888
382,195	Selden, C.	Telegraphy, reed	May 1, 1888
382,231	Hen, L. and Weinmann, R.	Igniting devices	May 1, 1888
382,249	Bailey, E. E.	do	May 1, 1888
382,253	Carroll, W.	Telegraphy, fire	May 1, 1888
382,272	Robb, J. T.	Lights, systems and appliances	May 1, 1888
382,279	Tesla, N.	Transmission of power	May 1, 1888
382,280	Tesla, N.	do	May 1, 1888
382,281	Tesla, N.	do	May 1, 1888
382,282	Tesla, N.	Induction-coils	May 1, 1888
382,299	Gedge, B. H.	Railway signals	May 8, 1888

No.	NAME.	CLASS.	DATE.
382,332	Stirling, C. C.	Cut-outs, mechanical	May 8, 1888
382,333	Stirling, C. C.	do	May 8, 1888
382,335	Thomson, E.	Magneto-electric	May 8, 1888
382,336	Thomson, E.	Regulators	May 8, 1888
382,353	Gibson, C. D. P.	Batteries, secondary	May 8, 1888
382,414	Edison, T. A.	Phonographs	May 8, 1888
382,415	Edison, T. A.	Systems of distribution	May 8, 1888
382,416	Edison, T. A.	Phonographs	May 8, 1888
382,419	Edison, T. A.	do	May 8, 1888
382,420	Epstein, L.	Batteries, secondary	May 8, 1888
382,421	Fenner, R. E.	Lights, arc	May 8, 1888
382,439	Roome, H. C.	Alarms, burglar	May 8, 1888
382,444	Taft, G. F.	do	May 8, 1888
382,461	Dyer, R. N.	Telephones, systems	May 8, 1888
382,474	Kellogg, M. G.	do	May 8, 1888
382,475	Kellogg, M. G.	do	May 8, 1888
382,476	Kellogg, M. G.	do	May 8, 1888
382,477	Kellogg, M. G.	do	May 8, 1888
382,483	McDougall, W. M.	Locomotion	May 8, 1888
382,515	DeRedon, C. F.	Railway signals	May 8, 1888
382,518	Eldred, H. H.	Telephones, systems	May 8, 1888
382,560	Seel, C.	Lights, filaments and carbons	May 8, 1888
382,589	Card, G. F.	Motors	May 8, 1888
382,593	Draper, C.	Knitting and netting, stopping	May 8, 1888
382,599	Faure, C. A.	Batteries, secondary, applications	May 8, 1888
382,625	Stitzel, F.	Cut-outs, electro-magnetic	May 8, 1888
382,714	Mather, R. H.	Motors	May 15, 1888
382,715	Mather, R. H.	do	May 15, 1888
382,726	Patterson, W. R.	Conductors, underground	May 15, 1888
382,734	Russ, N. W.	Applications, general	May 15, 1888
382,738	Sloane, G. H.	Batteries, galvanic	May 15, 1888
382,741	Tisdale, C. D.	Railway signals	May 15, 1888
382,756	Crowdus, W. A.	Fare boxes	May 15, 1888
382,766	Massey, A. P.	Steam and air brakes	May 15, 1888
382,767	Patterson, W. R.	Conductors, lead-covered	May 15, 1888
382,768	Patterson, W. R.	do	May 15, 1888
382,778	Smith, W. F.	Conductors, underground	May 15, 1888
382,781	Thomas, J. D.	Conductors	May 15, 1888
382,788	Young, J.	Telegraphy, fire, alarms and extinguishers	May 15, 1888
382,790	Berliner, E.	Phonographs	May 15, 1888
382,811	Horst, P.	Electrodes	May 15, 1888
382,829	Patterson, W. R.	Conductors, underground	May 15, 1888
382,845	Tesla, N.	Magneto-electric	May 15, 1888
382,846	Thompson, E. P.	Lights, incandescent	May 15, 1888
382,856	Barrett, J. A.	Relays and repeaters	May 15, 1888
382,876	Hunter, R. M.	Locomotion	May 15, 1888
382,877	Hunter, R. M.	do	May 15, 1888
382,914	Tregoning, J.	Galvanometers	May 15, 1888
382,941	Bentley, E. M.	Applications, general	May 15, 1888
382,963	Gibson, C. D. P.	Batteries, secondary	May 15, 1888
382,976	Hardinge, H. W.	Telethermometers	May 15, 1888
382,990	Knight, W. H.	Locomotion	May 15, 1888
382,997	McTighe, T. J.	Annunciators	May 15, 1888
383,013	Scribner, C. E.	Telephones, systems	May 15, 1888
383,014	Scribner, C. E.	do	May 15, 1888
383,015	Scribner, C. E.	Annunciators	May 15, 1888
383,016	Scribner, C. E.	Magneto-electric, hand machines	May 15, 1888
383,017	Scribner, C. E.	Telephones, systems	May 15, 1888
383,018	Scribner, C. E.	do	May 15, 1888
383,046	Doubleday, H. M.	Lights, systems and appliances	May 15, 1888
383,095	Bristol, W. H. and Geyer, W. E.	Galvanometers	May 22, 1888
383,097	Brooks, D., jr.	Conductors	May 22, 1888
383,098	Culp, J. D.	Friction generators	May 22, 1888
383,105	Culp, J. D.	do	May 22, 1888
383,113	Easton, J. W.	Magneto-electric	May 22, 1888
383,114	Easton, J. W.	do	May 22, 1888
383,140	Russell, S.	Batteries, secondary	May 22, 1888
383,150	Moses, O. A.	Lights, incandescent	May 22, 1888
383,158	Vance, S. B. H.	Lights, systems and appliances	May 22, 1888
383,184	Leeds, A. R.	Purifying water	May 22, 1888
383,193	Sellon, J. S.	Batteries, secondary	May 22, 1888
383,216	Epstein, L.	do	May 22, 1888
383,220	Gill, J. B.	Telegraphy, fire	May 22, 1888
383,263	Whittier, T. P.	Batteries, galvanic	May 22, 1888
383,269	Ballard, S. R.	Telephones, systems	May 22, 1888
383,271	Beattie, J., jr.	Batteries, galvanic	May 22, 1888
383,273	Blake, H. T.	Locomotion	May 22, 1888

No.	NAME.	CLASS.	DATE.
383,274	Blake, H. T. and Sterling, C.	Locomotion	May 22, 1888
383,320	Poland, L. N. P.	Magneto-electric	May 22, 1888
383,332	Vance, S. B. H.	Lights, systems and appliances	May 22, 1888
383,345	Crouch, F. J.	Rheostats	May 22, 1888
383,377	Smith, G. G.	Telegraphy, fire, alarms and extinguishers	May 22, 1888
383,385	Abbott, A. V.	Testing machines	May 22, 1888
383,411	Ohmart, E. C.	Lights, arc, gravity feed, frictional	May 22, 1888
383,436	Card, G. F.	Photography, retouching	May 29, 1888
383,439	Colby, E. J.	Time alarms	May 29, 1888
383,444	Crompton, R. E. B. and Kapp, G.	Galvanometers	May 29, 1888
383,450	Essick, S. V.	Telegraphy, printing	May 29, 1888
383,464	Gulcher, R. J.	Batteries, thermal	May 29, 1888
383,484	Packard, J. W.	Lights, filaments and carbons	May 29, 1888
383,485	Palmer, A. C.	Recorders	May 29, 1888
383,495	Scribner, C. E.	Telephones, systems	May 29, 1888
383,502	Timmis, I. A. and Currie, S. C. C.	Batteries, secondary, applications	May 29, 1888
383,520	Fritts, C. E.	Systems of distribution	May 29, 1888
383,536	Newman, E. A.	Thermostats	May 29, 1888
383,548	Wildt, E. A.	Batteries, galvanic	May 29, 1888
383,560	Faure, C. A.	Batteries, secondary	May 29, 1888
383,561	Faure, C. A.	Locomotion	May 29, 1888
383,562	Faure, C. A.	Batteries, secondary	May 29, 1888
383,563	Fisher, F. E.	Telephones, calls	May 29, 1888
383,564	Fisher, F. E.	Motors	May 29, 1888
383,565	Fisher, F. E.	Magneto-electric	May 29, 1888
383,566	Fisher, F. E.	Annunciators	May 29, 1888
383,567	Fisher, F. E.	Magneto-electric	May 29, 1888
383,575	Hunter, R. M.	Batteries, secondary	May 29, 1888
383,583	McLaughlin, J. F.	Indicators	May 29, 1888
383,602	Metzradt, H. J. von	Lights, filaments and carbons	May 29, 1888
383,605	Wheeler, A. D.	Telegraphy, fire, alarms and extinguishers	May 29, 1888
383,611	Belfield, R.	Lights, systems and appliances	May 29, 1888
383,616	Byllesby, H. M. and Lange, P.	Lights, incandescent	May 29, 1888
383,617	Byllesby, H. M.	Magneto-electric	May 29, 1888
383,618	Byllesby, H. M.	Regulators	May 29, 1888
383,619	Byllesby, H. M.	Magneto-electric	May 29, 1888
383,620	Byllesby, H. M.	Batteries, secondary, applications	May 29, 1888
383,621	Byllesby, H. M.	do	May 29, 1888
383,622	Byllesby, H. M.	do	May 29, 1888
383,623	Byllesby, H. M.	do	May 29, 1888
383,640	Gibson, C. D. P.	do	May 29, 1888
383,647	Lange, P.	Rheostats	May 29, 1888
383,648	Lange, P.	Magneto-electric	May 29, 1888
383,649	Lange, P.	Galvanometers	May 29, 1888
383,651	Mather, R. H.	Regulators	May 29, 1888
383,655	Pond, C. H.	Clocks, electric	May 29, 1888
383,657	Schmid, A.	Magneto-electric	May 29, 1888
383,658	Schmid, A.	do	May 29, 1888
383,659	Schmid, A. and Byllesby, H. M.	do	May 29, 1888
383,661	Shallenberger, O. B.	Systems of distribution	May 29, 1888
383,662	Shallenberger, O. B.	Magneto-electric	May 29, 1888
383,663	Shallenberger, O. B.	do	May 29, 1888
383,664	Shallenberger, O. B.	do	May 29, 1888
383,665	Shallenberger, O. B.	Galvanometers	May 29, 1888
383,666	Shallenberger, O. B.	do	May 29, 1888
383,667	Shallenberger, O. B.	do	May 29, 1888
383,668	Shallenberger, O. B.	do	May 29, 1888
383,669	Shallenberger, O. B.	do	May 29, 1888
383,670	Shallenberger, O. B.	do	May 29, 1888
383,671	Shallenberger, O. B.	do	May 29, 1888
383,672	Shallenberger, O. B.	do	May 29, 1888
383,675	Thompson, E. P.	Lights, incandescent	May 29, 1888
383,676	Thompson, E. P.	do	May 29, 1888
383,677	Metzradt, H. J. von	Batteries, galvanic	May 29, 1888
383,678	Westinghouse, G., jr.	Meters	May 29, 1888
383,679	Westinghouse, G., jr.	Magneto-electric	May 29, 1888
383,680	Westinghouse, G., jr. and Lange, P.	Meters	May 29, 1888
383,706	Cox, H. B.	Batteries, galvanic	May 29, 1888
383,725	Gill, W. E. and Segerdahl, R.	Annunciators	May 29, 1888
383,734	Keyes, F. E.	Insulators	May 29, 1888
383,756	Morris, H. G.	Conductors, underground	May 29, 1888
383,757	Morris, H. G. and Salom, P. G.	Batteries, secondary	May 29, 1888
383,770	Ries, E. E. and Henderson, A. H.	Locomotion	May 29, 1888
383,771	Saunders, A. D.	Dumb waiters	May 29, 1888
383,775	Sintz, C.	Explosives	May 29, 1888
383,786	Viau, M.	Clocks, electric	May 29, 1888
383,794	Brown, C. T.	Medical and surgical, baths	May 29, 1888

No.	NAME.	CLASS.	DATE.
383,795	Bull, W. B.	Incrustation	May 29, 1888
383,832	Stanley, W., jr.	Motive power	May 29, 1888
383,843	Watson, J. E.	Relays and sounders	May 29, 1888
383,844	Woods, G. T.	Locomotion	May 29, 1888
383,857	Brush, C. F.	Regulators	June 5, 1888
383,863	Conkling, G.	Separators	June 5, 1888
383,891	Leinp, H. and Wightman, M. J.	Cut-outs, thermal	June 5, 1888
383,899	Murphy, E. J. and Floyd, J.	Medical and surgical, body-wear	June 5, 1888
383,901	Neu, G. S.	Valve-controllers	June 5, 1888
383,913	Rice, E. W., jr.	Rheostats	June 5, 1888
383,918	Smith, M. H.	Separators	June 5, 1888
383,919	Splittorf, H.	Conductors	June 5, 1888
383,933	Wood, J. J.	Cut-outs, mechanical	June 5, 1888
383,941	Browne, W. D.	Telegraphy, fire	June 5, 1888
383,946	Ghegan, J. J.	Alarms	June 5, 1888
384,035	Hamilton, J. B.	Separators	June 5, 1888
384,042	Keilholtz, P. O.	Lightning-arresters	June 5, 1888
384,044	Knight, W. H.	Rheostats	June 5, 1888
384,077	Riker, A. L.	Magneto-electric	June 5, 1888
384,088	Scribner, C. E.	Annunciators	June 5, 1888
384,116	Baxter, W., jr.	Cut-outs, mechanical	June 5, 1888
384,117	Baxter, W., jr.	Regulators	June 5, 1888
384,151	Gould, F. B.	Photography, galleries	June 5, 1888
384,152	Greaves, J.	Applications, general	June 5, 1888
384,200	Ghegan, J. J.	Alarms	June 5, 1888
384,201	Gilliland, E. T.	Telephones, details	June 5, 1888
384,212	Nolan, J.	Alarms	June 5, 1888
384,222	Watson, J. E.	Relays and sounders	June 5, 1888
384,271	Parcelle, A. L.	Clocks, electric	June 12, 1888
384,289	Sellon, J. S.	Batteries, secondary, applications	June 12, 1888
384,302	Wright, J.	Gas fittings	June 12, 1888
384,320	Mallett, E. J.	Telegraphy, printing	June 12, 1888
384,321	Mallett, E. J.	Electro-magnets	June 12, 1888
384,322	Mallett, E. J.	Telegraphy, printing	June 12, 1888
384,323	Mallett, E. J.	Relays and sounders	June 12, 1888
384,324	Mallett, E. J.	Telegraphy, printing	June 12, 1888
384,325	Mallett, E. J.	do	June 12, 1888
384,326	Mallett, E. J.	Relays and sounders	June 12, 1888
384,350	Doggett, J.	do	June 12, 1888
384,362	Haskell, E. E.	Ships' logs	June 12, 1888
384,384	Nelson, C. B.	Lightning-rods	June 12, 1888
384,404	Thomas, J. D.	Conductors	June 12, 1888
384,412	Bapst, G. and Falize, L.	Time alarms	June 12, 1888
384,430	Downerd, H. S.	Annunciators	June 12, 1888
384,440	Grein, O. F.	Cut-outs, mechanical	June 12, 1888
384,447	Julien, E.	Batteries, secondary, applications	June 12, 1888
384,455	Mahnken, H.	Telegraphy, printing	June 12, 1888
384,472	Reams, A. J.	Clocks, electric	June 12, 1888
384,476	Scribner, C. E.	Telegraphy, fire	June 12, 1888
384,477	Scribner, C. E.	Telephones, systems	June 12, 1888
384,478	Spink, J. and Gauzentes, C.	Lights, sockets and keys	June 12, 1888
384,505	Brewer, W. J.	Trucks	June 12, 1888
384,506	Brewer, W. J.	Journal boxes, roller-bearing	June 12, 1888
384,561	Busch, C.	Medical and surgical, body-wear	June 12, 1888
384,562	Condict, J. H.	Locomotion	June 12, 1888
384,570	Grovesteen, M. W. and Jahn, F. G.	Alarms	June 12, 1888
384,576	Hunter, R. M.	Locomotion	June 12, 1888
384,580	Julien, F.	do	June 12, 1888
384,581	Julien, E.	do	June 12, 1888
384,586	Norman, W. C.	Printing, surfaces	June 12, 1888
384,594	Seymour, H. A.	Locomotion	June 12, 1888
384,638	Oliver, R.	Magneto-electric	June 19, 1888
384,644	Scribner, C. E.	Telephones, systems	June 19, 1888
384,645	Smith, M. H.	Separators	June 19, 1888
384,660	Zalinski, E. L.	Primers	June 19, 1888
384,661	Zalinski, E. L.	Shell fuses	June 19, 1888
384,662	Zalinski, E. L.	do	June 19, 1888
384,663	Zalinski, E. L.	Shells	June 19, 1888
384,664	Zalinski, E. L.	Shell fuses	June 19, 1888
384,676	Brower, F. C.	Valve-controllers	June 19, 1888
384,685	Field, S. D.	Locomotion	June 19, 1888
384,755	Godding, M. O.	Railway signals	June 19, 1888
384,775	Mengis, M. C.	Locomotion	June 19, 1888
384,796	Tag, W. and Smith, S. C.	Igniting devices	June 19, 1888
384,806	White, W. W.	Electro deposition	June 19, 1888
384,810	Williams, T. D. and Lucock, J. S.	Railway signals	June 19, 1888
384,811	Williams, T. D. and Lucock, J. S.	do	June 19, 1888

No.	NAME.	CLASS.	DATE.
384,815	Wood, J. J.-----	Lights, sockets and keys-----	June 19, 1888
384,816	Wood, J. J.-----	Magneto-electric-----	June 19, 1888
384,817	Wood, J. J.-----	Lights, arc, gravity feed, gear-----	June 19, 1888
384,830	Edison, T. A. and Gilliland, E. T.-----	Telegraphy, railway-car-----	June 19, 1888
384,856	Kiutner, C. J.-----	Magnetic locks and bolts-----	June 19, 1888
384,860	Meehan, M.-----	Sub-ways-----	June 19, 1888
384,875	Stevens, G. M.-----	Telegraphy, fire-----	June 19, 1888
384,901	Foster, H. A.-----	Locomotion-----	June 19, 1888
384,908	Hunter, R. M.-----	-----do-----	June 19, 1888
384,909	Hunter, R. M.-----	-----do-----	June 19, 1888
384,910	Hunter, R. M.-----	-----do-----	June 19, 1888
384,911	Hunter, R. M.-----	-----do-----	June 19, 1888
384,912	Hunter, R. M.-----	-----do-----	June 19, 1888
384,934	Hunter, R. M.-----	-----do-----	June 19, 1888
384,958	Brown, C. A. and Clark, M. M.-----	Batteries, galvanic-----	June 26, 1888
384,962	Currie, S. C. C.-----	Railway signals-----	June 26, 1888
385,001	Packard, J. W.-----	Rheostats-----	June 26, 1888
385,016	Spiegel, W. G.-----	Signals, nautical-----	June 26, 1888
385,020	Suuny, B. E.-----	Systems of distribution-----	June 26, 1888
385,022	Thomson, E.-----	Heaters-----	June 26, 1888
385,023	Tracy, P. J.-----	Cut-outs, mechanical-----	June 26, 1888
385,028	Wheelock, B. J.-----	Batteries, galvanic-----	June 26, 1888
385,034	Woods, G. T.-----	Locomotion-----	June 26, 1888
385,039	Carey, W. A.-----	Lights, sockets and keys-----	June 26, 1888
385,041	Carcy, W. A.-----	Circuit-closers-----	June 26, 1888
385,042	Chase, H. A.-----	Compasses-----	June 26, 1888
385,043	Chase, H. A.-----	-----do-----	June 26, 1888
385,053	Hunter, R. M.-----	Locomotion-----	June 26, 1888
385,054	Hunter, R. M.-----	-----do-----	June 26, 1888
385,055	Hunter, R. H.-----	-----do-----	June 26, 1888
385,067	Perkins, C. G.-----	Cut-outs, thermal-----	June 26, 1888
385,068	Reckenzaun, A.-----	Magneto-electric-----	June 26, 1888
385,095	Cockrell, A.-----	Lightning-rods-----	June 26, 1888
385,097	Condict, G. H.-----	Locomotion-----	June 26, 1888
385,145	Siebel, J. E.-----	Incrustation-----	June 26, 1888
385,147	Starr, E. E.-----	Batteries, galvanic-----	June 26, 1888
385,173	Edison, T. A.-----	Systems of distribution-----	June 26, 1888
385,180	Hunter, R. M.-----	Locomotion-----	June 26, 1888
385,200	Reckenzaun, A.-----	Batteries, secondary-----	June 26, 1888
385,205	Scribner, C. E.-----	Telephones, systems-----	June 26, 1888
385,211	Sprague, F. J.-----	Applications, general-----	June 26, 1888
385,214	Stitzel, F. and Weinedel, C.-----	Relays and sounders-----	June 26, 1888
385,215	Stitzel, F. and Weinedel, C.-----	Connectors-----	June 26, 1888
385,254	Doyle, J.-----	Batteries, secondary-----	June 26, 1888
385,259	Fiske, B. A.-----	Steering and propulsion-----	June 26, 1888
385,308	Hewett, E. M.-----	Batteries, galvanic-----	June 26, 1888
10,940	Helmcr, P.----- (Reis. of 368,948.)	Dental instruments-----	June 26, 1888

APPENDIX No. VII.

PART III.

CONSISTING OF A

ALPHABETICAL INDEX OF ALL PATENTS

RELATING TO

ELECTRICITY

Issued from July 1, 1887, to June 30, 1888, inclusive, giving names of Inventors, numbers and dates of Patents, and the sub-class to which each belongs.

ALPHABETICAL INDEX

OF

PATENTS RELATING TO ELECTRICITY

FROM JULY 1, 1887, TO JUNE 30, 1888.

No.	NAME.	CLASS.	DATE.
383,385	Abbott, A. V	Testing machines	May 22, 1888
368,745	Aborn, J. W. and Landin, J	Tanning processes	Aug. 23, 1887
375,242	Acheson, E. G	Batteries, thermal	Dec. 20, 1887
375,243	Acheson, E. G	do	Dec. 20, 1887
375,408	Acheson, E. G	Magneto-electric	Dec. 27, 1887
380,157	Acheson, E. G	Conductors	Mar. 27, 1888
380,158	Acheson, E. G. and Anderson, B. F	do	Mar. 27, 1888
372,247	Adams, A. F	Indicators	Oct. 25, 1887
380,271	Adams, C. W	Lights, arc	Mar. 27, 1888
371,161	Adams, T. E	Connectors	Oct. 11, 1887
380,074	Adams, T. E	Lights, arc	Mar. 27, 1888
377,879	Ader, C	Circuits and systems	Feb. 14, 1888
370,230	Allison, M. H	Telephones, details	Sept. 20, 1887
371,536	Amet, E. H	Regulators	Oct. 18, 1887
374,164	Appleby, J. C	Conductors, lead-covered	Dec. 6, 1887
374,166	Appleby, J. C	do	Dec. 6, 1887
372,193	Armstrong, J. T	Batteries, galvanic	Oct. 25, 1887
380,971	Armstrong, J. T	do	Apr. 10, 1888
366,292	Arnold, C. R	Lights, systems and appliances	July 12, 1887
376,423	Arnold, C. R	do	Jan. 17, 1888
366,195	Arnold, S. W. and Cranmer, W. C	Conductors, underground	July 12, 1887
374,860	Aron, H	Meters	Dec. 13, 1887
374,861	Aron, H	do	Dec. 13, 1887
381,459	Atkinson, T	Fire extinguishers, chemical	Apr. 17, 1888
377,475	Bahr, J. F	Telephones, electric	Feb. 7, 1888
382,249	Bailey, E. E	Igniting devices	May 1, 1888
371,244	Bailey, M. and Warner, J	Batteries, galvanic	Oct. 11, 1887
368,804	Baker, C. D	Rheostats	Aug. 23, 1887
371,915	Baker, C. D	Lights, systems and appliances	Oct. 25, 1887
375,328	Baker, C. D	Rheostats	Dec. 27, 1887
373,043	Baker, J. M	Bells	Nov. 15, 1887
363,445	Baldwin, C. W	Applications, tools and machines	Aug. 16, 1887
383,269	Ballard, S. R	Telephones, systems	May 22, 1888
370,847	Balloch, E. A	Telephones, details	Oct. 4, 1887
375,977	Banks, D. B. and Hutchins, G. K	Towers	Jan. 3, 1888
384,412	Bapt, G. and Falize, L	Time alarms	June 12, 1888
369,886	Bard, E. F	Clocks, electric	Sept. 6, 1887
378,078	Barnes, W. A	Telegraphy, fire, alarms and extinguishers	Feb. 21, 1888
380,241	Barnes, W. A	do	Mar. 27, 1888
371,406	Barnes, W. W	Insulating material	Oct. 11, 1887
374,862	Barrett, J. A	Batteries, galvanic	Dec. 13, 1887
374,863	Barrett, J. A	do	Dec. 13, 1887
382,856	Barrett, J. A	Relays and repeaters	May 15, 1888
376,133	Barrett, J. P	Telegraphy, fire	Jan. 10, 1888
375,915	Barrett, J. P. and Mehren, J. F	Heaters	Jan. 3, 1888
371,121	Barton, W. H. H	Thermostats	Oct. 4, 1887
372,447	Batchelor, C	Magneto-electric	Nov. 1, 1887
363,315	Bathrick, L. E	Printing, delivering	Aug. 16, 1887
377,058	Batten, J	Escape ladders, fixed	Jan. 31, 1888
378,864	Bauer, A. H	Locomotion	Mar. 6, 1888
378,568	Baumann, R	Permutation locks	Feb. 28, 1888
367,332	Baxter, C	Annunciators	July 26, 1887
384,116	Baxter, W., jr	Cnt-outs, mechanical	June 5, 1888
384,117	Baxter, W., jr	Regulators	June 5, 1888
376,228	Beattie, J., jr	Batteries, galvanic	Jan. 10, 1888
383,271	Beattie, J., jr	do	May 22, 1888
376,060	Beedy, S. E	Telephones, electric	Jan. 10, 1888
380,845	Belfield, R	Systems of distribution	Apr. 10, 1888
380,846	Belfield, R	do	Apr. 10, 1888
383,611	Belfield, R	Lights, systems and appliances	May 29, 1888
380,165	Bennett, A. W. and Millen, J. M	Railway signals	Mar. 27, 1888
373,044	Bennett, G. S	Medical and surgical, body-wear	Nov. 15, 1887

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374,236	Bentley, E. M	Locomotion	Dec. 6, 1887
377,229	Bentley, E. M	do	Jan. 31, 1888
377,230	Bentley, E. M	do	Jan. 31, 1888
382,941	Bentley, E. M	Applications, general	May 15, 1888
370,851	Berghausen, A	Alarms	Oct. 4, 1887
376,281	Berghausen, A	Indicators	Jan. 10, 1888
375,117	Bergmann, S	Lights, systems and appliances	Dec. 20, 1887
376,976	Bergmann, S. and Dempster, J. T	Cut-outs, mechanical	Jan. 24, 1888
382,790	Berliner, E	Phonographs	May 15, 1888
369,091	Bernstein, A	Lights, filaments and carbons	Aug. 30, 1887
375,802	Berthold, V. M	Telephones, electric	Jan. 3, 1888
380,545	Berton, C	Lights, arc	Apr. 3, 1888
381,669	Bickford, J. H	Indicators	Apr. 24, 1888
381,823	Bickford, J. H	Bells	Apr. 24, 1888
373,046	Bidwill, B	Locomotion	Nov. 15, 1887
370,366	Birmingham, D. W	Amalgamators, electric	Sept. 20, 1887
374,390	Bixby, A	Transmitters	Dec. 6, 1887
374,444	Bixby, A	Telegraphy, printing	Dec. 6, 1887
375,255	Blades, H. H	Motors	Dec. 20, 1887
383,273	Blake, H. T	Locomotion	May 22, 1888
383,274	Blake, H. T. and Sterling, C	do	May 22, 1888
381,492	Blickensdorfer, G. C. and Hallock, J. K	Applications, tools and machines	Apr. 17, 1888
374,728	Bliss, E. N	Magneto-electric	Dec. 13, 1887
378,426	Bliss, E. N. and Middleton, J. F	Cameras	Feb. 28, 1888
368,450	Bloom, W. H	Transmitters	Aug. 16, 1887
366,811	Bolgiano, G. C	Conductors, underground	July 19, 1887
379,674	Bolmer, T. H	Explosives	Mar. 20, 1888
365,776	Bonta, J. W	Telephones, electric	July 5, 1887
365,777	Bonta, J. W	do	July 5, 1887
365,778	Bonta, J. W	do	July 5, 1887
365,779	Bonta, J. W	do	July 5, 1887
365,780	Bonta, J. W	do	July 5, 1887
365,781	Bonta, J. W	do	July 5, 1887
374,580	Bonwell, W. G. A	Dental instruments	Dec. 13, 1887
370,528	Borel, F	Conductors	Sept. 27, 1887
380,310	Borland, D. R	Keys	Apr. 3, 1888
374,036	Bosworth, C. B	Circuit-closers	Nov. 29, 1887
374,652	Bosworth, C. B	Cut-outs, electro-magnetic	Dec. 13, 1887
375,118	Bosworth, C. B	Igniting devices	Dec. 20, 1887
379,758	Botts, B. N	Annunciators	Mar. 20, 1888
368,321	Bowe, P	Connectors	Aug. 16, 1887
374,581	Boyle, J. C	Thermometers	Dec. 13, 1887
366,994	Bradford, T. C	Telephones, details	July 19, 1887
372,958	Bradley, W. W. and Holroyd, J. R	Ordinance, electric appliances	Nov. 8, 1887
379,501	Brann, F. W. and Kinney, G. I	Cut-outs, mechanical	Mar. 13, 1888
371,664	Brannan, J. and Stone, W. E	Dental instruments	Oct. 18, 1887
367,359	Brewer, H. J	Batteries, galvanic	Aug. 2, 1887
367,956	Brewer, H. J	do	Aug. 9, 1887
369,769	Brewer, H. J	do	Sept. 13, 1887
373,435	Brewer, H. J	do	Nov. 22, 1887
380,084	Brewer, H. J	do	Mar. 27, 1888
380,085	Brewer, H. J	do	Mar. 27, 1888
380,855	Brewer, H. J	do	Apr. 10, 1888
380,856	Brewer, H. J	do	Apr. 10, 1888
384,505	Brewer, W. J	Trucks	June 12, 1888
384,506	Brewer, W. J	Journal boxes, roller-bearings	June 12, 1888
365,905	Brewster, W. F	Thermometers	July 5, 1887
375,727	Bridger, H. C	Circuits and systems	Jan. 3, 1888
378,428	Brill, J. A	Railway cars	Feb. 28, 1888
383,095	Bristol, W. H. and Geyer, W. E	Galvanometers	May 22, 1888
383,097	Brooks, D., jr	Conductors	May 22, 1888
384,676	Brower, F. C	Valve-controllers	June 19, 1888
78,385	Brown, A. W	Telephones, magnetic	Feb. 21, 1888
73,334	Brown, C. A	Batteries, galvanic	Nov. 15, 1887
384,958	Brown, C. A. and Clark, M. M	do	June 26, 1888
372,201	Brown, C. E. L	Regulators	Oct. 25, 1887
383,794	Brown, C. T	Medical and surgical, baths	May 29, 1888
376,706	Brown, F. H	Telephones, magnetic	Jan. 17, 1888
376,707	Brown, F. H	do	Jan. 17, 1888
368,066	Brown, I. H	Railway signals	Aug. 9, 1887
369,915	Brown, W	Lightning-rods	Sept. 13, 1887
383,941	Browne, W. D	Telegraphy, fire	June 5, 1888
372,010	Brunet, A	Vending apparatus	Oct. 25, 1887
376,630	Brush, C. F	Electro-magnets	Jan. 17, 1888
383,857	Brush, C. F	Regulators	June 5, 1888
368,806	Bryant, T. W	Batteries, galvanic	Aug. 23, 1887
365,787	Bryson, A., jr., and Mudge, H. S	Railways, pneumatic	July 5, 1887

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369,432	Bucklelew, A. H.	Heaters	Sept. 6, 1887
383,795	Bull, W. B.	Incrustation	May 29, 1888
380,382	Bullitt, L. McK. and Greene, O. C.	Circuit-closers	Apr. 3, 1888
376,579	Burcey, C. J. T.	Incrustation	Jan. 17, 1888
368,907	Burgher, C.	Telegraphy, fire	Aug. 23, 1887
371,876	Burgher, C.	do	Oct. 18, 1887
374,038	Burke, C. G.	Telegraphy, automatic	Nov. 29, 1887
368,512	Burton, G. D.	Telegraphy, railway-car	Aug. 16, 1887
379,503	Burton, G. D.	Railways, pneumatic	Mar. 13, 1888
384,561	Busch, C.	Medical and surgical, body-wear	June 12, 1888
376,730	Bushfield, S. B.	do	Jan. 24, 1888
373,767	Butler, H. D.	Clasps	Nov. 22, 1887
366,375	Byllesby, H. M.	Induction-coils	July 12, 1887
373,009	Byllesby, H. M.	Systems of distribution	Nov. 8, 1887
373,010	Byllesby, H. M.	Galvanometers	Nov. 8, 1887
383,617	Byllesby, H. M.	Magneto-electric	May 29, 1888
383,618	Byllesby, H. M.	Regulators	May 29, 1888
383,619	Byllesby, H. M.	Magneto-electric	May 29, 1888
383,620	Byllesby, H. M.	Batteries, secondary, applications	May 29, 1888
383,621	Byllesby, H. M.	do	May 29, 1888
383,622	Byllesby, H. M.	do	May 29, 1888
383,623	Byllesby, H. M.	do	May 29, 1888
366,374	Byllesby, H. M. and Lange, P.	Lights, systems and appliances	July 12, 1887
383,616	Byllesby, H. M. and Lange, P.	Lights, incandescent	May 29, 1888
366,376	Byllesby, H. M. and Shallenberger, O. B.	Systems of distribution	July 12, 1887
381,054	Byllesby, H. M. and Shallenberger, O. B.	do	Apr. 10, 1888
369,394	Campbell, H. F.	Conductors, anti-inductive	Sept. 6, 1887
369,917	Card, G. F.	Car-brakes	Sept. 13, 1887
372,598	Card, G. F.	do	Nov. 1, 1887
372,599	Card, G. F.	Connectors	Nov. 1, 1887
380,020	Card, G. F.	Magneto-electric	Mar. 27, 1888
382,589	Card, G. F.	Motors	May 8, 1888
383,436	Card, G. F.	Photography, retouching	May 29, 1888
370,683	Carey, A. C.	Printing, copying	Sept. 27, 1887
385,039	Carey, W. A.	Lights, sockets and keys	June 26, 1888
385,041	Carey, W. A.	Circuit-closers	June 26, 1888
380,989	Carpenter, H. H.	Batteries, secondary	Apr. 10, 1888
368,650	Carpenter, J. F.	Connectors	Aug. 23, 1887
370,605	Carpenter, J. F.	do	Sept. 27, 1887
378,657	Carpenter, J. F.	Fluid pressure railway brakes	Feb. 28, 1888
378,658	Carpenter, J. F.	do	Feb. 28, 1888
373,644	Carpentier, J.	Recording attachments	Nov. 22, 1887
374,866	Carr, C.	Railways, elevated	Dec. 13, 1887
382,253	Carroll, W.	Telegraphy, fire	May 1, 1888
368,809	Carter, F. S.	Bells	Aug. 23, 1887
365,190	Case, W. E.	Batteries, galvanic	Aug. 16, 1887
368,191	Case, W. E.	do	Aug. 16, 1887
374,173	Case, W. E.	do	Dec. 6, 1887
368,931	Cassagnes, G. A.	Telegraphy, multiplex	Aug. 30, 1887
375,339	Cassagnes, G. A.	do	Dec. 27, 1887
365,792	Cauderay, J.	Meters	July 5, 1887
366,202	Cauderay, J.	do	July 12, 1887
372,358	Cauderay, J.	do	Nov. 1, 1887
375,476	Chamberlain, J. C.	Cut-outs, thermal	Dec. 27, 1887
367,598	Chase, E. M.	Railway signals	Aug. 2, 1887
371,670	Chase, E. M.	do	Oct. 18, 1887
366,154	Chase, H. A.	Telegraphy, fire	July 5, 1887
385,042	Chase, H. A.	Compasses	June 26, 1888
385,043	Chase, H. A.	do	June 26, 1888
370,243	Chase, N. F.	Railway signals	Sept. 20, 1887
366,457	Chenoweth, A. C.	Conductors, underground	July 12, 1887
381,336	Clafin, C. R. B., jr., and Flagg, J. W.	Batteries, galvanic	Apr. 17, 1888
372,455	Clamond, C.	Telephones, electric	Nov. 1, 1887
367,960	Clarke, C. L.	Clocks, electric	Aug. 9, 1887
381,614	Clingman, T. L.	Lights, filaments and carbons	Apr. 24, 1888
376,709	Clute, N. J.	Car-brakes	Jan. 17, 1888
385,095	Cockrell, A.	Lightning-rods	June 26, 1888
372,012	Colburn, I. W.	Rheostats	Oct. 25, 1887
376,583	Colby, E. A.	Lights, sockets and keys	Jan. 17, 1888
370,932	Colby, E. J.	Time alarms	Oct. 4, 1887
383,439	Colby, E. J.	do	May 29, 1888
380,022	Cole, F. W.	Telegraphy, fire	Mar. 27, 1888
377,237	Cole, G. H.	Cut-outs, mechanical	Jan. 31, 1888
376,071	Cole, W. R.	Circuit-closers	Jan. 10, 1888
376,072	Cole, W. R.	do	Jan. 10, 1888
366,460	Collins, C.	Cups	July 12, 1887
381,531	Collins, W. H.	Telephones, magnetic	Apr. 24, 1888

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367,270	Colman, F. B	Telegraphy, reed	July 26, 1887
373,883	Conant, T. P	Batteries, secondary, applications	Nov. 29, 1887
378,432	Conant, T. P. and Latshaw, Z	Systems of distribution	Feb. 28, 1888
384,562	Condict, G. H	Locomotion	June 12, 1888
385,097	Condict, G. H	do	June 26, 1888
374,778	Congdon, A. F	Magneto-electric	Dec. 13, 1887
383,863	Conkling, G	Separators	June 5, 1888
370,007	Connolly, W. A	Valve-controllers	Sept. 13, 1887
381,907	Connolly, T. A. and A. A	Locomotion	May 1, 1888
374,348	Cook, G. W	Conductors, underground	Dec. 6, 1887
373,925	Copeland, H. P	Girders and columns	Nov. 29, 1887
379,368	Copeland, H. P	Transmitters	Mar. 13, 1888
378,435	Corman, C. A	Thermostats	Feb. 28, 1888
366,305	Cox, H. B	Galvanometers	July 12, 1887
372,657	Cox, H. B	Bells	Nov. 8, 1887
372,658	Cox, H. B	Batteries, galvanic	Nov. 8, 1887
375,441	Cox, H. B	do	Dec. 27, 1887
375,442	Cox, H. B	Annunciators	Dec. 27, 1887
383,706	Cox, H. B	Batteries, galvanic	May 29, 1888
375,925	Crawford, J. and Ker, J. B	Telephones, systems	Jan. 3, 1888
376,429	Creighton, W. G	Locomotion	Jan. 17, 1888
383,444	Crompton, R. E. B. and Kapp, G	Galvanometers	May 29, 1888
368,654	Crosby, E. H	Connectors	Aug. 23, 1887
374,456	Crouch, F. J	Batteries, galvanic	Dec. 6, 1887
379,372	Crouch, F. J	do	Mar. 13, 1888
383,345	Crouch, F. J	Rheostats	May 22, 1888
382,756	Crowdus, W. A	Fare boxes	May 15, 1888
377,884	Crowdus, W. A. and Sutton, H. M	Regulators	Feb. 14, 1888
380,620	Crowdus, W. A. and Sutton, H. M	Magneto-electric	Apr. 3, 1888
383,098	Culp, J. D	Friction generators	May 22, 1888
383,105	Culp, J. D	do	May 22, 1888
366,306	Cummings, A. G	Switch-stands	July 12, 1887
371,555	Curran, J	Anti-induction devices	Oct. 18, 1887
374,733	Currie, S. C. C	Railway signals	Dec. 13, 1887
384,962	Currie, S. C. C	do	June 26, 1888
368,655	Currier, H. L	Cleaners	Aug. 23, 1887
376,362	Curtiss, R. M	Railways, pneumatic	Jan. 24, 1888
376,363	Cutting, W. H	Annunciators	Jan. 24, 1888
371,253	Daft, L	Locomotion	Oct. 11, 1887
371,436	Daft, L	Motors	Oct. 11, 1887
372,361	Daft, L	Applications, tools and machines	Nov. 1, 1887
369,320	Dalzell, J. H	Conductors, lead-covered	Sept. 6, 1887
369,592	Dalzell, J. H	do	Sept. 6, 1887
369,593	Dalzell, J. H	do	Sept. 6, 1887
369,594	Dalzell, J. H	do	Sept. 6, 1887
377,742	Daniels, E. O	Lightning-rods	Feb. 14, 1888
374,458	Davis, J. P	Conductors, underground	Dec. 6, 1887
381,220	Davis, M. M	Telegraphy, quadruplex	Apr. 17, 1888
372,363	Deacon, B. R	Couplings, valved	Nov. 1, 1887
379,453	De Benardos, N	Heaters	Mar. 13, 1888
380,554	De Benardos, N	Batteries, secondary	Apr. 3, 1888
373,967	Delany, P. B	Telegraphy, automatic	Nov. 29, 1887
373,968	Delany, P. B	Circuits and systems	Nov. 29, 1887
378,436	Delany, P. B	Telegraphy, printing	Feb. 28, 1888
378,437	Delany, P. B	do	Feb. 28, 1888
381,764	Delany, P. B	Circuits and systems	Apr. 24, 1888
380,646	De Mier, J. R	Telegraphy, railway-car	Apr. 3, 1888
380,647	De Mier, J. R	Connectors	Apr. 3, 1888
381,343	De Mier, J. R	Telegraphy, railway-car	Apr. 17, 1888
381,344	De Mier, J. R	do	Apr. 17, 1888
379,689	Deprez, M	Magneto-electric	Mar. 20, 1888
372,404	Deprez, M. and Abdank-Abakanowicz, B	Telephones, calls	Nov. 1, 1887
369,436	Depuy, A. B	Cut-outs, electro-magnetic	Sept. 6, 1887
381,765	De Redon, C. F	Bells	Apr. 24, 1888
382,515	De Redon, C. F	Railway signals	May 8, 1888
372,208	Dermitt, S. W. and W. V	Thermostats	Oct. 25, 1887
373,393	Dewing, J. and Bennett, D. F	Wood-working machinery, boring	Nov. 15, 1887
381,915	Dey, H. E	Batteries, secondary, applications	May 1, 1888
367,705	D'Humy, P. R. de F	Batteries, galvanic	Aug. 2, 1887
379,766	Dibble, F. J	Telethermometers	Mar. 20, 1888
377,994	Dickerson, E. N., jr	Systems of distribution	Feb. 14, 1888
368,195	Dieckmann, G. F	Piano actions	Aug. 16, 1887
381,222	Diehl, P	Motors	Apr. 17, 1888
369,595	Dietzman, A. S. and Cressey, G	Registers	Sept. 6, 1887
381,539	Dilley, C. M	Bell-hanging, pulls	Apr. 24, 1888
375,414	Doering, W. H	Igniting devices	Dec. 27, 1887
384,350	Doggett, J	Relays and sounders	June 12, 1888

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373,394	Dolbear, A. E.	Conductors	Nov. 15, 1887
378,876	Dooley, J. W.	Alarms	Mar. 6, 1888
378,358	Doubleday, H. M.	Lights, systems and appliances	Feb. 21, 1888
383,046	Doubleday, H. M.	do	May 15, 1888
366,938	Doubrava, S.	Lights, arc, positive feed	July 19, 1887
384,430	Downerd, H. S.	Annunciators	June 12, 1888
385,254	Doyle, J.	Batteries, secondary	June 26, 1888
382,593	Draper, C.	Knitting and netting, stopping	May 8, 1888
380,872	Draper, D.	Thermometers	Apr. 10, 1887
367,898	Drawbaugh, D.	Clocks, electric	Aug. 9, 1887
369,505	Drescher, L.	Batteries, galvanic	Sept. 6, 1877
371,557	Drew, S. C.	Anti-induction devices	Oct. 18, 1887
366,654	Duby, J. M. and Edmester, J. L.	Conductors	July 19, 1887
367,708	Dudley, P. H.	Recorders	Aug. 2, 1887
366,209	Duvelius, A. L.	Conductors	July 12, 1887
371,559	Dyer, R. N.	Meters	Oct. 18, 1887
382,461	Dyer, R. N.	Telephones, systems	May 8, 1888
371,439	Eastman, W. H.	Telephones, mechanical	Oct. 11, 1887
366,941	Easton, J. W.	Magneto-electric	July 19, 1887
373,971	Easton, J. W.	do	Nov. 29, 1887
375,697	Easton, J. W.	Electro-magnets, machines for winding	Dec. 27, 1887
383,113	Easton, J. W.	Magneto-electric	May 22, 1888
383,114	Easton, J. W.	do	May 22, 1888
373,061	Easton, L. F.	Valve-controllers	Nov. 15, 1887
377,021	Easton, L. F.	Thermostats	Jan. 31, 1888
374,948	Eckert, T. T.	Conductors	Dec. 20, 1887
365,911	Eckert, W. H. and Seely, J. A.	Telegraphy, fire	July 5, 1887
365,978	Edison, T. A.	Systems of distribution	July 5, 1887
369,280	Edison, T. A.	do	Aug. 30, 1887
369,439	Edison, T. A.	do	Sept. 6, 1887
369,441	Edison, T. A.	do	Sept. 6, 1887
369,442	Edison, T. A.	do	Sept. 6, 1887
369,443	Edison, T. A.	do	Sept. 6, 1887
370,123	Edison, T. A.	Meters	Sept. 20, 1887
370,124	Edison, T. A.	Lights, filaments and carbons	Sept. 20, 1887
370,125	Edison, T. A.	Transmission of power	Sept. 20, 1887
370,126	Edison, T. A.	do	Sept. 20, 1887
370,127	Edison, T. A.	do	Sept. 20, 1887
370,128	Edison, T. A.	do	Sept. 20, 1887
370,129	Edison, T. A.	do	Sept. 20, 1887
370,130	Edison, T. A.	do	Sept. 20, 1887
370,131	Edison, T. A.	do	Sept. 20, 1887
370,132	Edison, T. A.	Circuits and systems	Sept. 20, 1887
373,584	Edison, T. A.	Magneto-electric	Nov. 22, 1887
377,374	Edison, T. A.	Telegraphy, duplex	Feb. 7, 1888
377,518	Edison, T. A.	Separators	Feb. 7, 1888
378,044	Edison, T. A.	Telephones, electric	Feb. 14, 1888
379,770	Edison, T. A.	Lights, incandescent	Mar. 20, 1888
379,771	Edison, T. A.	Regulators	Mar. 20, 1888
379,772	Edison, T. A.	Batteries, secondary, applications	Mar. 20, 1888
379,944	Edison, T. A.	Magneto-electric	Mar. 27, 1888
380,100	Edison, T. A.	Motors	Mar. 27, 1888
380,101	Edison, T. A.	Systems of distribution	Mar. 27, 1888
380,102	Edison, T. A.	do	Mar. 27, 1888
382,414	Edison, T. A.	Phonographs	May 8, 1888
382,415	Edison, T. A.	Systems of distribution	May 8, 1888
382,416	Edison, T. A.	Phonographs	May 8, 1888
382,419	Edison, T. A.	do	May 8, 1888
385,173	Edison, T. A.	Systems of distribution	June 26, 1888
384,830	Edison, T. A. and Gilliland, E. T.	Telegraphy, railway-car	June 19, 1888
381,542	Eagan, C. E.	Batteries, galvanic	Apr. 24, 1888
376,818	Egleston, T.	Conductors	Jan. 24, 1888
378,780	Ehrlich, L., Dubinski, B. and Rein, G.	Telephones, magnetic	Feb. 28, 1888
369,400	Eickemeyer, R.	Magneto-electric	Sept. 6, 1887
375,542	Eickemeyer, R.	do	Dec. 27, 1887
375,614	Eickemeyer, R.	Igniting devices	Dec. 27, 1887
377,996	Eickemeyer, R.	Magneto-electric	Feb. 14, 1888
377,997	Eickemeyer, R.	Electro-magnets, machines for winding	Feb. 14, 1888
10,997	Eisenhardt, C. A. (Reis. of 331,121.)	Induction-coils	Mar. 6, 1888
382,518	Eldred, H. H.	Telephones, systems	May 8, 1888
375,279	Emery, E. C.	Insulators	Dec. 20, 1887
369,238	Emminger, D. P.	Conductors	Aug. 30, 1887
379,509	Enos, J. A.	Locomotion	Mar. 13, 1888
374,528	Entz, J. B.	Igniting devices	Dec. 6, 1887
382,420	Epstein, L.	Batteries, secondary	May 8, 1888
383,216	Epstein, L.	do	May 22, 1888
383,450	Essick, S. V.	Telegraphy, printing	May 29, 1888

No.	NAME.	CLASS.	DATE.
368,576	Euphrat, F.	Locomotion	Aug. 23, 1887
372,846	Evans, W. W.	Transmitters	Nov. 8, 1887
378,668	Exley, R.	Applications, general	Feb. 28, 1888
378,298	Farmer, M. G.	Telephones, electric	Feb. 21, 1888
380,426	Farmer, M. G.	do	Apr. 3, 1888
380,427	Farmer, M. G.	do	Apr. 3, 1888
381,004	Farmer, M. G.	Nickel plating	Apr. 10, 1888
373,519	Farnham, I. H.	Telephones, systems	Nov. 22, 1887
375,543	Farnham, I. H.	Telephones, systems, automatic	Dec. 27, 1887
375,544	Farnham, I. H.	Bells	Dec. 27, 1887
379,532	Farnham, I. H.	Conductors, underground	Mar. 13, 1888
380,752	Farnham, I. H.	Telephones, electric	Apr. 10, 1888
369,929	Farrar, J. H.	Railway signals	Sept. 13, 1887
380,316	Farrar, J. H.	do	Apr. 3, 1888
379,511	Farrar, W. B.	Clocks, electric	Mar. 13, 1888
375,702	Fasoldt, E. C.	Lights, systems and appliances	Dec. 27, 1887
366,717	Faure, C. A.	Batteries, galvanic	July 19, 1887
379,567	Faure, C. A.	Batteries, secondary	Mar. 20, 1888
382,599	Faure, C. A.	Batteries, secondary, applications	May 8, 1888
383,560	Faure, C. A.	Batteries, secondary	May 29, 1888
383,561	Faure, C. A.	Locomotion	May 29, 1888
383,562	Faure, C. A.	Batteries, secondary	May 29, 1888
382,421	Fenner, R. E.	Lights, arc	May 8, 1888
370,052	Ferguson, A. C.	Lights, systems and appliances	Sept. 20, 1887
381,992	Fessenden, G. B.	Recorders	May 1, 1888
381,993	Fessenden, G. B.	do	May 1, 1888
365,982	Field, S. D.	Telegraphy, printing	July 5, 1887
370,691	Field, S. D.	do	Sept. 27, 1887
374,404	Field, S. D.	Rheostats	Dec. 6, 1887
375,346	Field, S. D.	Locomotives	Dec. 27, 1887
380,103	Field, S. D.	Locomotion	Mar. 27, 1888
380,879	Field, S. D.	do	Apr. 10, 1888
380,880	Field, S. D.	do	Apr. 10, 1888
381,768	Field, S. D.	Motors	Apr. 24, 1888
384,685	Field, S. D.	Locomotion	June 19, 1888
377,553	Finck, J.	Igniting devices	Feb. 7, 1888
375,617	Firman, L. B.	Telegraphy, fire	Dec. 27, 1887
372,409	Fischer, W. and Stiehl, T.	Thermostats	Nov. 1, 1887
371,443	Fisher, F. E.	Motors	Oct. 11, 1887
383,563	Fisher, F. E.	Telephones, calls	May 29, 1888
383,564	Fisher, F. E.	Motors	May 29, 1888
383,565	Fisher, F. E.	Magneto-electric	May 29, 1888
383,566	Fisher, F. E.	Annunciators	May 29, 1888
383,567	Fisher, F. E.	Magneto-electric	May 29, 1888
371,570	Fisher, J. J.	Lights, sockets and keys	Oct. 18, 1887
381,228	Fiske, B. A.	Motors	Apr. 17, 1888
385,259	Fiske, B. A.	Steering and propulsion	June 26, 1888
370,328	Flanders, B. S.	Telegraphy, fire	Sept. 20, 1887
368,284	Fletcher, J. R.	Insulators	Aug. 16, 1887
370,134	Flick, O. C.	Batteries, secondary	Sept. 20, 1887
377,745	Foote, T. M.	Batteries, galvanic	Feb. 14, 1888
375,280	Forbes, F. A.	Connectors	Dec. 20, 1887
366,824	Forbes, G.	Galvanometers	July 19, 1887
368,662	Foster, B. R.	Grain meters	Aug. 23, 1887
371,752	Foster, G. W.	Telephones, calls	Oct. 18, 1887
384,901	Foster, H. A.	Locomotion	June 19, 1888
374,669	Freeman, C. R.	Batteries, galvanic	Dec. 13, 1887
367,901	Freeman, J. P.	Cut-outs, electro-magnetic	Aug. 9, 1887
380,430	Frishmuth, W.	Batteries, galvanic	Apr. 3, 1888
383,520	Fritts, C. E.	Systems of distribution	May 29, 1888
367,205	Frost, J. W.	Telegraphy, fire	July 26, 1887
379,865	Fuller, F. L.	Recorders	Mar. 20, 1888
367,341	Fuller, L. B.	Medical and surgical, baths	July 26, 1887
371,189	Fullerton, G. A.	Medical and surgical, body-wear	Oct. 11, 1887
366,212	Galvin, J. A.	Alarms	July 12, 1887
366,660	Gardner, H. R.	Applications, general	July 19, 1887
377,851	Gardner, P. G.	Blasting and fuses	Feb. 14, 1888
373,064	Gassner, C., jr.	Batteries, galvanic	Nov. 15, 1887
381,772	Geary, J.	Annunciators	Apr. 24, 1888
382,299	Gedge, B. H.	Railway signals	May 8, 1888
373,452	Gennert, E. F.	Lights, systems and appliances	Nov. 22, 1887
381,921	Gennert, E. F.	Gas fittings	May 1, 1888
383,946	Ghegan, J. J.	Alarms	June 5, 1888
384,200	Ghegan, J. J.	do	June 5, 1888
379,572	Gibson, C. D. P.	Batteries, secondary	Mar. 20, 1888
382,358	Gibson, C. D. P.	do	May 8, 1888
382,968	Gibson, C. D. P.	do	May 15, 1888

No.	NAME.	CLASS.	DATE.
383,640	Gibson, C. D. P	Batteries, secondary, applications	May 29, 1888
378,927	Gibson, E. T	Telegraphy, fire	Mar. 6, 1888
375,063	Gibson, J. H	Railway signals	Dec. 20, 1887
383,220	Gill, J. B	Telegraphy, fire	May 22, 1888
383,725	Gill, W. E. and Segerdahl, R	Annunciators	May 29, 1888
366,164	Gillam, M. M	Medical and surgical, baths	July 5, 1887
384,201	Gilliland, E. T	Telephones, details	June 5, 1888
371,445	Glasgow, W. and Stevens, S. S	Bells	Oct. 11, 1887
379,459	Glasgow, W. and Stevens, S. S	Telegraphy, railway-car	Mar. 13, 1888
384,755	Godding, M. O	Railway signals	June 19, 1888
367,754	Goodridge, W. M	Telephones, systems	Aug. 2, 1887
371,260	Goodridge, W. M	Telephones, switches	Oct. 11, 1887
384,151	Gould, F. B	Photography, galleries	June 5, 1888
381,234	Graham, J. M	Telephones, electric	Apr. 17, 1888
371,681	Grant, J	Insulating material	Oct. 18, 1887
374,959	Gray, J	Magneto-electric	Dec. 20, 1887
384,152	Greaves, J.	Applications, general	June 5, 1888
374,738	Greene, E. E	Conductors, underground	Dec. 13, 1887
369,447	Greenfield, E. T	Insulators	Sept. 6, 1887
384,440	Greim, O. F	Cut-outs, mechanical	June 12, 1888
374,673	Griscom, W. W	Batteries, secondary, applications	Dec. 13, 1887
381,693	Gross, A	Compasses	Apr. 24, 1888
384,570	Grovesteen, M. W. and Jahn, F. G	Alarms	June 12, 1888
373,397	Guest, J. H	Registers	Nov. 15, 1887
383,464	Gulcher, R. J	Batteries, thermal	May 29, 1888
378,440	Guntz, G	Indicators	Feb. 28, 1888
376,149	Haight, H. J	Telethermometers	Jan. 10, 1888
376,880	Haight, H. J	Thermostats	Jan. 24, 1888
372,313	Haines, R	Lamp shades	Nov. 1, 1887
379,060	Hamilton, E. M	Relays and sounders	Mar. 6, 1888
379,061	Hamilton, E. M	do	Mar. 6, 1888
379,062	Hamilton, E. M	Circuit-closers	Mar. 6, 1888
379,063	Hamilton, E. M	Keys	Mar. 6, 1888
379,064	Hamilton, E. M	Relays and sounders	Mar. 6, 1888
384,035	Hamilton, J. B	Separators	June 5, 1888
373,399	Hamilton, J. R	Electrodes	Nov. 15, 1887
368,764	Hammer, W. J	Connectors	Aug. 23, 1887
368,765	Hammer, W. J	Cut-outs, thermal	Aug. 23, 1887
373,975	Hammond, B. M	Meters	Nov. 29, 1887
371,755	Hard, J. R	Induction-coils	Oct. 18, 1887
380,435	Harding, A	Lights, arc	Apr. 3, 1888
382,976	Hardinge, H. W	Telethermometers	May 15, 1888
380,568	Harness, C. B	Medical and surgical, body-wear	Apr. 3, 1888
367,294	Harris, H. I	Batteries, galvanic	July 26, 1887
368,766	Hart, M. J	Towers	Aug. 23, 1887
377,894	Hart, M. J	do	Feb. 14, 1888
373,289	Hart, W. H	Conductors, underground	Nov. 15, 1887
380,757	Hart, W. H. and Goodfellow, J. T	do	Apr. 10, 1888
371,936	Hartman, J., jr	Locomotion	Oct. 25, 1887
371,937	Hartman, J., jr	Rheostats	Oct. 25, 1887
377,895	Harvey, W. B	Clocks, electric	Feb. 14, 1888
384,362	Haskell, E. E	Ships' logs	June 12, 1888
378,679	Haskins, C. H	Telephones, systems	Feb. 28, 1888
368,336	Hathaway, A. E	Alarms, burglar	Aug. 16, 1887
369,640	Hauss, D. J	Lights, arc	Sept. 6, 1887
377,487	Hayden, E. S	Electro-deposition	Feb. 7, 1888
370,477	Hayes, H. V	Telephones, magnetic	Sept. 27, 1887
377,612	Hayes, H. V	Telephones, electric	Feb. 7, 1888
331,780	Hayes, H. V	Galvanometers	Apr. 24, 1888
365,994	Healy, C. L	Telegraphy, printing	July 5, 1887
366,166	Healy, C. L	do	July 5, 1887
366,628	Healy, C. L	do	July 12, 1887
371,840	Heffner, S. and Phillips, J. H	Connectors	Oct. 18, 1887
379,956	Heisler, C	Regulators	Mar. 27, 1888
380,114	Heisler, C	Cut-outs, electro-magnetic	Mar. 27, 1888
380,115	Heisler, C	Magneto-electric	Mar. 27, 1888
380,202	Heisler, C	Lights, sockets and keys	Mar. 27, 1888
368,948	Helmer, P	Dental instruments	Aug. 30, 1887
10,940	Helmer, P	do (Reis. of 368,948.)	June 26, 1888
382,231	Hen, L. and Weinmann, R	Igniting devices	May 1, 1888
372,468	Hering, C	Batteries, secondary	Nov. 1, 1887
379,221	Hering, C	Connectors	Mar. 13, 1888
382,159	Hermite, E	Bleaching	May 1, 1888
378,681	Hermite, E. and Cooper, C. F	do	Feb. 28, 1888
379,465	Hermite, E. and Cooper, C. F	do	Mar. 13, 1888
381,372	Hermite, E. and Cooper, C. F	do	Apr. 17, 1888
367,627	Herrington, J	Car-brakes	Aug. 2, 1887

No.	NAME.	CLASS.	DATE.
385,308	Hewett, E. M.	Batteries, galvanic	June 26, 1888
379,555	Hewitt, W.	Conductors	Mar. 13, 1888
373,138	Hexamer, C. J.	Clocks, electric	Nov. 15, 1887
376,651	Hexamer, C. J.	Valve-controllers	Jan. 17, 1888
377,073	Hibbard, A. S.	Cut-outs, thermal	Jan. 31, 1888
377,615	Higgins, E. E. and James, J.	Lights, arc	Feb. 7, 1888
368,149	Higgins, P. J.	Conductors	Aug. 9, 1887
372,910	Higham, D.	Motors	Nov. 8, 1887
373,739	Higham, D.	Regulators	Nov. 22, 1887
374,406	Higham, D.	do	Dec. 6, 1887
377,255	Higham, D.	Motors	Jan. 31, 1888
379,466	Higham, D.	do	Mar. 13, 1888
379,467	Higham, D.	do	Mar. 13, 1888
379,783	Hill, E.	Operating ordnance	Mar. 20, 1888
378,547	Hill, W. S.	Regulators	Feb. 28, 1888
368,088	Hinds, C. H.	Friction generators	Aug. 9, 1887
378,250	Hinton, J. R. H.	Telephones, switches	Feb. 21, 1888
371,583	Hobby, A. S.	Indicators	Oct. 18, 1887
367,630	Hochhausen, W.	Batteries, secondary, applications	Aug. 2, 1887
374,871	Hochhausen, W.	Motors	Dec. 13, 1887
374,872	Hochhausen, W.	Regulators	Dec. 13, 1887
377,256	Hoffman, J. W.	Annunciators	Jan. 31, 1888
379,396	Hogan, G. L.	Igniting devices	Mar. 13, 1888
371,940	Holcombe, A. G.	Telephones, systems	Oct. 25, 1887
377,383	Holly, W. A. and Malin, W.	Grain meters	Feb. 7, 1888
374,792	Holt, G. D.	Conductors, underground	Dec. 13, 1887
378,677	Holtzer, C. W.	Igniting devices	Feb. 28, 1888
382,001	Holtzer, C. W.	do	May 1, 1888
367,002	Homans, C. A.	Lights, arc, gravity feed, gear	July 19, 1887
373,934	Homans, C. A.	Lights, arc, gravity feed, frictional	Nov. 29, 1887
379,069	Hopkins, W. W.	Locomotion	Mar. 6, 1888
379,070	Hopkins, W. W.	do	Mar. 6, 1888
368,212	Hornaday, T. B.	Magnetic locks and bolts	Aug. 16, 1887
382,811	Horst, P.	Electrodes	May 15, 1888
381,246	Hotchkiss, Z. P.	Telegraphy, automatic	Apr. 17, 1888
371,757	Hott, A. L.	Telephones, supports	Oct. 18, 1887
367,523	Hough, B. F.	Alarms, burglar	Aug. 2, 1887
380,437	House, W. D.	Telephones, electric	Apr. 3, 1888
380,438	House, W. D.	do	Apr. 3, 1888
375,160	Housel, G. W.	Time signals	Dec. 20, 1887
372,797	Howell, J. W.	Systems of distribution	Nov. 8, 1887
372,798	Howell, J. W.	do	Nov. 8, 1887
372,799	Howell, J. W.	do	Nov. 8, 1887
373,021	Howell, J. W.	Batteries, galvanic	Nov. 8, 1887
377,488	Howell, J. W.	Systems of distribution	Feb. 7, 1888
367,003	Huewe, G. A.	Telephones, details	July 19, 1887
367,004	Huewe, G. A.	do	July 19, 1887
369,247	Huguet, H. A. B.	Inhalers and respirators	Aug. 30, 1887
375,749	Humans, W.	Electro-magnets	Jan. 3, 1888
375,750	Humans, W.	Magneto-electric	Jan. 3, 1888
375,751	Humans, W.	Magneto-electric, hand machines	Jan. 3, 1888
377,107	Hunter, R. M.	Locomotion	Jan. 31, 1888
381,555	Hunter, R. M.	do	Apr. 24, 1888
381,556	Hunter, R. M.	do	Apr. 24, 1888
382,876	Hunter, R. M.	do	May 15, 1888
382,877	Hunter, R. M.	do	May 15, 1888
383,575	Hunter, R. M.	Batteries, secondary	May 29, 1888
384,576	Hunter, R. M.	Locomotion	June 12, 1888
384,908	Hunter, R. M.	do	June 19, 1888
384,909	Hunter, R. M.	do	June 19, 1888
384,910	Hunter, R. M.	do	June 19, 1888
384,911	Hunter, R. M.	do	June 19, 1888
384,912	Hunter, R. M.	do	June 19, 1888
384,934	Hunter, R. M.	do	June 19, 1888
385,053	Hunter, R. M.	do	June 26, 1888
385,054	Hunter, R. M.	do	June 26, 1888
385,055	Hunter, R. M.	do	June 26, 1888
385,180	Hunter, R. M.	do	June 26, 1888
366,319	Hurley, J. P. and Perkins, G. F.	Telephones, mechanical	July 12, 1887
381,789	Immisch, M.	Magneto-electric	Apr. 24, 1888
367,042	Irwin, J. H.	Telephones, electric	July 26, 1887
367,402	Irwin, J. H.	Lights, systems and appliances	Aug. 2, 1887
10,915	Irwin, J. H. (Reis. of 209,266.)	Telephones, electric	Mar. 27, 1888
380,261	Jackson, R. F. and Pope, W. R.	Medical and surgical, baths	Mar. 27, 1888
375,633	James, De W. C.	Insulating material	Dec. 27, 1887
369,793	Jaques, J. T.	Conductors	Sept. 13, 1887
376,307	Jehl, F.	Magneto-electric	Jan. 10, 1888

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379,073	Jehl, F	Systems of distribution	Mar. 6, 1888
373,369	Jenney, C. D	Regulators	Nov. 15, 1887
369,989	Jensen, H. P. F., Webb, B. W., and Jansen, J	Bells	Sept. 13, 1887
378,202	Jensen, H. P. F., Webb, B. W., and Jensen, J	Time alarms	Feb. 21, 1888
370,193	Jermain, S. P	Telephones, supports	Sept. 20, 1887
373,073	Joerke, W. G	Alarms	Nov. 15, 1887
381,382	Johnson, E. H	Telephones, electric	Apr. 17, 1888
375,876	Johnson, I. La R	Locomotion	Jan. 3, 1888
366,324	Johnson, W. S	Valve-controllers	July 12, 1887
374,072	Johnson, W. S	do	Nov. 29, 1887
378,137	Johnson, W. S	Thermostats	Feb. 21, 1888
379,201	Johnson, W. S	do	Mar. 6, 1888
382,165	Johnson, W. S	do	May 1, 1888
381,251	Jones, F. W	Telegraphy, dynamo	Apr. 17, 1888
381,889	Jones, F. W	do	Apr. 24, 1888
366,777	Judd, C. B	Medical and surgical, body-wear	July 19, 1887
372,805	Jungst, G	Transmitters	Nov. 8, 1887
375,676	Julien, E	Motors	Dec. 27, 1887
384,447	Julien, E	Batteries, secondary, applications	June 12, 1888
384,580	Julien, E	Locomotion	June 12, 1888
384,581	Julien, E	do	June 12, 1888
381,446	Kammer, von der, J	Cut-outs, mechanical	Apr. 17, 1888
366,400	Keating, A. S	Keys	July 12, 1887
384,042	Keilholtz, P. O	Lightning-arresters	June 5, 1888
382,474	Kellogg, M. G	Telephones, systems	May 8, 1888
382,475	Kellogg, M. G	do	May 8, 1888
382,476	Kellogg, M. G	do	May 8, 1888
382,477	Kellogg, M. G	do	May 8, 1888
375,636	Kells, C. E., jr	Fire extinguishers, chemical	Dec. 27, 1887
372,851	Kelly, J. F	Galvanometers	Nov. 8, 1887
381,700	Kelly, J. F	Magneto-electric	Apr. 24, 1888
378,320	Kennedy, R	Induction-coils	Feb. 21, 1888
378,321	Kennedy, R	do	Feb. 21, 1888
381,794	Kennedy, R	Systems of distribution	Apr. 24, 1888
368,674	Kent, J. W. and Orr, R	Valve-controllers	Aug. 23, 1887
383,734	Keyes, F. E	Insulators	May 29, 1888
371,199	Kimball, A. S. and Brownell, G. L	Applications, tools and machines	Oct. 11, 1887
371,893	King, F	Batteries, secondary, applications	Oct. 18, 1887
372,026	Kintner, C. J	Magnetic locks and bolts	Oct. 25, 1887
372,027	Kintner, C. J	do	Oct. 25, 1887
372,028	Kintner, C. J	do	Oct. 25, 1887
372,029	Kintner, C. J	do	Oct. 25, 1887
384,836	Kintner, C. J	do	June 19, 1888
375,295	Kissel, A	Connectors	Dec. 20, 1887
380,394	Kissell, A. S	Thermostats	Apr. 3, 1888
372,808	Kneitper, F. J	Medical and surgical, body-wear	Nov. 8, 1887
368,596	Knight, W. H	Rheostats	Aug. 23, 1887
377,622	Knight, W. H	Locomotion	Feb. 7, 1888
382,990	Knight, W. H	do	May 15, 1888
384,044	Knight, W. H	Rheostats	June 5, 1888
379,792	Knowles, E. R	Lights, arc	Mar. 20, 1888
381,254	Knowles, E. R	Regulators	Apr. 17, 1888
376,661	Kölzer, J	Repeaters	Jan. 17, 1888
379,203	Kölzer, J	do	Mar. 6, 1888
371,331	Kornmüller, G	Motors	Oct. 11, 1887
373,407	Kress, G. R	Lightning-rods	Nov. 15, 1887
366,173	Kruesi, J	Conductors, underground	July 5, 1887
366,174	Kruesi, J	Conductors	July 5, 1887
368,342	Kunhardt, D	Keys	Aug. 16, 1887
379,016	Kunhardt, D	Telegraphy, automatic	Mar. 6, 1888
368,955	Lacy, F. H	Towers	Aug. 30, 1887
370,794	Lahmeyer, W	Magneto-electric	Oct. 4, 1887
379,074	Lambdin, C	Telephones, switches	Mar. 6, 1888
372,155	Lane, G. M	Relays and sounders	Oct. 23, 1887
366,407	Lange, P	Cut-outs, mechanical	July 12, 1887
366,408	Lange, P	Electro-magnets	July 12, 1887
366,409	Lange, P	Galvanometers	July 12, 1887
374,843	Lange, P	Connectors	Dec. 13, 1887
333,647	Lange, P	Rheostats	May 29, 1888
333,648	Lange, P	Magneto-electric	May 29, 1888
333,649	Lange, P	Galvanometers	May 29, 1888
366,410	Lange, P. and Shallenberger, O. B	do	July 12, 1887
374,842	Lange, P. and Shallenberger, O. B	Cut-outs, thermal	Dec. 13, 1887
375,756	Lawshe, S. R	Lightning-rods	Jan. 3, 1888
376,323	Leber, L. H	Lights, incandescut	Jan. 10, 1888
333,184	Leeds, A. R	Purifying water	May 22, 1888
372,475	Leggo, W. A	Telegraphy, automatic	Nov. 1, 1887

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377,626	Le Grande, W. W.	Railway signals	Feb. 7, 1888
381,260	Leighton, J. T.	Medical and surgical, body-wear	Apr. 17, 1888
376,601	Leiter, J.	Surgery, miscellaneous	Jan. 17, 1888
369,456	Lemp, H.	Lights, arc, gravity feed, frictional	Sept. 6, 1887
376,326	Lemp, H.	Magneto-electric	Jan. 10, 1888
366,673	Lemp, H. and Wightman, M. J.	Lights, incandescent	July 19, 1887
383,891	Lemp, H. and Wightman, M. J.	Cut-outs, thermal	June 5, 1888
370,955	Le Vin, G. W.	Conductors, underground	Oct. 4, 1887
376,893	Lindemann, E. C.	do	Jan. 24, 1888
368,217	Linville, J. H.	Telegraphy, printing	Aug. 16, 1887
377,763	Linville, J. H.	do	Feb. 14, 1888
10,866	Lister, J. T. (Reis. of 347,247.)	Lights, filaments and carbons	Sept. 13, 1887
372,378	Lockwood, T. D.	Telephones, systems, automatic	Nov. 1, 1887
379,404	Lockwood, W. V.	Telegraphy, fire	Mar. 13, 1888
377,110	Logue, W. S.	Circuits and systems	Jan. 31, 1888
369,194	Loomis, O. P.	Lights, arc, gravity feed, gear	Aug. 30, 1887
369,349	Loomis, O. P.	Lights, arc, gravity feed, frictional	Sept. 6, 1887
378,892	Loomis, O. P.	Magneto-electric	Mar. 6, 1888
381,394	Loomis, O. P.	do	Apr. 17, 1888
381,395	Love, J. C.	Locomotion	Apr. 17, 1888
381,396	Love, J. C. and Snediker, J. F.	Cars, steam, street	Apr. 17, 1888
377,397	Ludlow, W. I.	Conductors	Feb. 7, 1888
371,202	Lynch, J.	Conductors, underground	Oct. 11, 1887
378,258	Mace, T.	Lights, filaments and carbons	Feb. 21, 1888
366,176	Mackey, J. C.	Thermostats	July 5, 1887
382,174	Mackie, R.	Magneto-electric	May 1, 1888
366,634	Macrae, R. and Tavener, C. F.	Cut-outs, mechanical	July 12, 1887
382,098	Madden, A. F.	Batteries, secondary	May 1, 1888
367,720	Mahnken, H.	Telegraphy, printing	Aug. 2, 1887
368,541	Mahnken, H.	do	Aug. 16, 1887
384,455	Mahnken, H.	do	June 12, 1888
366,178	Mahnken, H. and Healy, C. L.	do	July 5, 1887
366,229	Maiche, L.	Telegraphy, automatic	July 12, 1887
373,145	Main, W.	Magneto-electric	Nov. 15, 1887
373,146	Main, W.	do	Nov. 15, 1887
384,320	Mallett, E. J.	Telegraphy, printing	June 12, 1888
384,321	Mallett, E. J.	Electro-magnets	June 12, 1888
384,322	Mallett, E. J.	Telegraphy, printing	June 12, 1888
384,323	Mallett, E. J.	Relays and sounders	June 12, 1888
384,324	Mallett, E. J.	Telegraphy, printing	June 12, 1888
384,325	Mallett, E. J.	do	June 12, 1888
384,326	Mallett, E. J.	Relays and sounders	June 12, 1888
372,423	Mallet-Guy, F.	Coiling	Nov. 1, 1887
371,336	Mansfield, G. W.	Locomotion	Oct. 11, 1887
368,099	Maquay, S. W.	Batteries, galvanic	Aug. 9, 1887
369,801	Markland, W. H.	Valve-controllers	Sept. 13, 1887
371,958	Markland, W. H.	Galvanometers	Oct. 25, 1887
369,867	Marsh, E. A.	Engraving machines	Sept. 13, 1887
380,905	Marston, F. DuP.	Telephones, electric	Apr. 10, 1888
369,256	Martin, M.	Telephones, magnetic	Aug. 30, 1887
375,083	Martin, M.	Telegraphy, fire	Dec. 20, 1887
375,299	Martin, M.	do	Dec. 20, 1887
380,655	Martin, M.	do	Apr. 3, 1888
381,709	Martin, M.	Annunciators	Apr. 24, 1888
368,405	Marvin, H. N.	Motors	Aug. 16, 1887
368,406	Marvin, H. N.	do	Aug. 16, 1887
377,319	Mason, C. T.	Locomotion	Jan. 31, 1888
378,259	Mason, C. T.	do	Feb. 21, 1888
382,766	Massey, A. P.	Fluid pressure railway brakes	May 15, 1888
367,348	Mast, L. L.	Lightning-rods	July 26, 1887
377,683	Mather, R. H.	Magneto-electric	Feb. 7, 1888
377,684	Mather, R. H.	Regulators	Feb. 7, 1888
381,398	Mather, R. H.	do	Apr. 17, 1888
381,568	Mather, R. H.	Magneto-electric	Apr. 24, 1888
382,714	Mather, R. H.	Motors	May 15, 1888
382,715	Mather, R. H.	do	May 15, 1888
383,651	Mather, R. H.	Regulators	May 29, 1888
372,986	Mathis, S.	Lights, arc, positive feed	Nov. 8, 1887
367,219	McCoy, J. A.	Telegraphy, automatic	July 26, 1887
381,938	McCoy, J. A.	Telephones, systems, automatic	May 1, 1888
368,221	McDaniel, C. W.	Cut-outs, mechanical	Aug. 16, 1887
368,678	McDougall, S. T.	Explosives	Aug. 23, 1887
382,483	McDougall, W. M.	Locomotion	May 8, 1888
366,124	McElroy, J. F.	Lights, systems and appliances	July 5, 1887
370,801	McGowen, J. J.	Igniting devices	Oct. 4, 1887
372,550	McKnight, E.	Conductors, lead-covered	Nov. 1, 1887
367,350	McLaughlin, J. F.	Telegraphy, fire, alarms and extinguishers	July 26, 1887

No.	NAME.	CLASS.	DATE.
367,650	McLaughlin, J. F.	Telegraphy, printing	Aug. 2, 1887
368,411	McLaughlin, J. F.	-----do-----	Aug. 16, 1887
369,954	McLaughlin, J. F.	Type-writing	Sept. 13, 1887
375,559	McLaughlin, J. F.	Batteries, galvanic	Dec. 27, 1887
375,560	McLaughlin, J. F.	Motors	Dec. 27, 1887
375,561	McLaughlin, J. F.	Batteries, galvanic	Dec. 27, 1887
379,406	McLaughlin, J. F.	Type-writing	Mar. 13, 1888
379,802	McLaughlin, J. F.	Motors	Mar. 20, 1888
383,583	McLaughlin, J. F.	Indicators	May 29, 1888
382,997	McTighe, T. J.	Annunciators	May 15, 1888
371,696	Meads, S. P.	Time alarms	Oct. 18, 1887
384,860	Meehan, M.	Sub-ways	June 19, 1888
366,970	Melbourne, W. A.	Circuits and systems	July 19, 1887
378,332	Melbourne, W. A.	Keys	Feb. 21, 1888
367,422	Mellet, L.	Applications, general	Aug. 2, 1887
367,541	Mellet, L. and Prince, J.	-----do-----	Aug. 2, 1887
384,775	Mengis, M. C.	Locomotion	June 19, 1888
376,541	Mergenthaler, O.	Applications, tools and machines	Jan. 17, 1888
378,797	Mergenthaler, O.	Matrix making	Feb. 28, 1888
378,798	Mergenthaler, O.	-----do-----	Feb. 28, 1888
366,336	Merritt, H. W.	Insulating material	July 12, 1887
366,337	Merritt, H. W.	-----do-----	July 12, 1887
381,941	Meserole, A. V.	Batteries, secondary	May 1, 1888
367,651	Meston, A. W.	Motors	Aug. 2, 1887
372,231	Meston, A. W.	Regulators	Oct. 25, 1887
372,078	Metzger, H.	Anti-induction devices	Oct. 25, 1887
383,602	Metzradt, H. J. von	Lights, filaments and carbons	May 29, 1888
383,677	Metzradt, H. J. von	Batteries, galvanic	May 29, 1888
376,007	Miller, W. H.	Lights, arc, gravity feed, frictional	Jan. 3, 1888
377,083	Milliken, G. F. and Lytle, H. B.	Telegraphy, fire, alarms and extinguishers	Jan. 31, 1888
377,953	Mills, A.	Girders and columns	Feb. 14, 1888
371,147	Milroy, P.	Railway signals	Oct. 4, 1887
369,608	Molynaux, B. S.	Recorders	Sept. 6, 1887
365,842	Monfort, E. A.	Electric cartridges	July 5, 1887
365,843	Monfort, E. A.	Fire-arms, breech-loading	July 5, 1887
372,860	Montanus, G.	Regulators	Nov. 8, 1887
380,215	Moore, M. E.	Lights, sockets and keys	Mar. 27, 1888
373,088	Moorehouse, M. A.	Medical and surgical, body-wear	Nov. 15, 1887
383,756	Morris, H. G.	Conductors, underground	May 29, 1888
383,757	Morris, H. G. and Salom, P. G.	Batteries, secondary	May 29, 1888
381,269	Morse, P. C.	Cut-outs, mechanical	Apr. 17, 1888
378,456	Moses, O. A.	Magneto-electric	Feb. 28, 1888
383,150	Moses, O. A.	Lights, incandescent	May 22, 1888
381,480	Mott, S. D.	Meters	Apr. 17, 1888
378,801	Muckle, M. R., jr.	Conductors, underground	Feb. 28, 1888
378,802	Muckle, M. R., jr.	-----do-----	Feb. 28, 1888
379,408	Muckle, M. R., jr.	-----do-----	Mar. 13, 1888
381,271	Mueller, E. T.	Slates	Apr. 17, 1888
366,599	Muenchinger, G. A.	Incubators	July 12, 1887
374,747	Muir, J. S.	Electrodes	Dec. 13, 1887
381,636	Müller, M. A.	Magneto-electric	Apr. 24, 1888
371,965	Munsie, J. F.	Conductors, underground	Oct. 25, 1887
383,899	Murphy, E. J. and Floyd, J.	Medical and surgical, body-wear	June 5, 1888
378,971	Neal, L. M.	Insulators	Mar. 6, 1888
370,885	Neeper, A. M.	Telegraphy, fire	Oct. 4, 1887
384,384	Nelson, C. B.	Lightning-rods	June 12, 1888
383,901	Neu, G. S.	Valve-controllers	June 5, 1888
372,926	Nevens, F. W.	Apparel, cutting	Nov. 8, 1887
383,536	Newman, E. A.	Thermostats	May 29, 1888
375,456	Newton, E. C.	Telephones, magnetic	Dec. 27, 1887
377,634	Nicholson, T. S.	Railway signals	Feb. 7, 1888
374,315	Nier, W.	Traction, underground	Dec. 6, 1887
374,129	Noble, C. B.	Lights, arc, gravity feed, frictional	Nov. 29, 1887
384,212	Nolan, J.	Alarms	June 5, 1888
384,536	Norman, W. C.	Printing, surfaces	June 12, 1888
369,808	Noyes, J. G.	Bells	Sept. 13, 1887
375,766	Noyes, J. G.	Morse registers	Jan. 3, 1888
372,278	Nulty, J. T.	Rails	Oct. 25, 1887
373,152	Oakes, A.	Keys	Nov. 15, 1887
377,046	O'Beirne, E. J.	Magneto-electric	Jan. 31, 1888
367,435	O'Brien, D.	Lightning-rods	Aug. 2, 1887
365,935	O'Connell, J. J.	Annunciators	July 5, 1887
377,862	Oehmen, B.	Relays and sounders	Feb. 14, 1888
379,904	Oehrlé, A. C.	Railways, elevated	Mar. 20, 1888
383,411	Ohmart, E. C.	Lights, arc, gravity feed, frictional	May 22, 1888
380,589	O'Keenan, C. E.	Batteries, galvanic	Apr. 3, 1888
384,638	Oliver, R.	Magneto-electric	June 19, 1888

No.	NAME.	CLASS.	DATE.
372,168	Oliver, W.	Applications, general	Oct. 25, 1887
382,183	Omholt, J.	Reducing and separating aluminium	May 1, 1888
374,198	Oreutt, E. L.	Railway signals	Dec. 6, 1887
374,199	Oreutt, E. L.	Connectors	Dec. 6, 1887
378,517	Oreutt, E. L.	do	Feb. 28, 1888
378,552	Oreutt, E. L.	Relays and sounders	Feb. 28, 1888
379,598	Otto, G.	Connectors	Mar. 20, 1888
368,546	Owen, A.	Medical and surgical, body-wear	Aug. 16, 1887
383,484	Packard, J. W.	Lights, filaments and carbons	May 29, 1888
385,001	Packard, J. W.	Rheostats	June 26, 1888
380,922	Packer, R.	Batteries, secondary	Apr. 10, 1888
366,021	Paine, H. M.	Motors	July 5, 1887
383,485	Palmer, A. C.	Recorders	May 29, 1888
384,271	Parcelle, A. L.	Clocks, electric	June 12, 1888
379,977	Parke, J. Y.	Igniting devices	Mar. 27, 1888
366,603	Parker, F. H.	Towers	July 12, 1887
381,576	Parrish, M. W.	Annunciators	Apr. 24, 1888
379,180	Partz, A. F. W.	Batteries, galvanic	Mar. 6, 1888
375,649	Patten, A. B. and Conner, R. S.	Railway signals	Dec. 27, 1887
374,621	Patten, F. J.	Magneto-electric	Dec. 13, 1887
369,810	Patten, F. J.	Annunciators	Sept. 13, 1887
369,121	Patterson, W. R.	Conductors	Aug. 30, 1887
369,122	Patterson, W. R.	do	Aug. 30, 1887
369,259	Patterson, W. R.	Conductors, anti-inductive	Aug. 30, 1887
378,175	Patterson, W. R.	Conductors	Feb. 21, 1888
382,726	Patterson, W. R.	Conductors, underground	May 15, 1888
382,767	Patterson, W. R.	Conductors, lead-covered	May 15, 1888
382,768	Patterson, W. R.	do	May 15, 1888
382,829	Patterson, W. R.	Conductors, underground	May 15, 1888
372,865	Pearce, F.	Railway signals	Nov. 8, 1887
380,765	Pendleton, J. M.	Batteries, secondary	Apr. 10, 1888
377,210	Pennock, G. B.	Batteries, galvanic	Jan. 31, 1888
385,067	Perkins, C. G.	Cut-outs, thermal	June 26, 1888
380,766	Perkins, C. G. and Tregoning, J.	do	Apr. 10, 1888
367,841	Perkins, G. F. and Hurley, J. P.	Igniting devices	Aug. 9, 1887
368,608	Peyrusson, A. E.	Batteries, secondary	Aug. 23, 1887
380,925	Phelps, G. M.	do	Apr. 10, 1888
366,184	Phelps, L. J.	Drills	July 5, 1887
369,880	Phelps, L. J.	Telegraphy, railway-car	Sept. 13, 1887
380,295	Phillips, W. A.	Conductors	Mar. 27, 1888
371,356	Pierce, W. L. L.	Medical and surgical, body-wear	Oct. 11, 1887
378,107	Pike, D. E.	Telegraphy, printing	Feb. 21, 1888
369,655	Place, E.	Regulators	Sept. 6, 1887
378,616	Poland, L. N. P.	Lights, arc, gravity feed, gear	Feb. 28, 1888
333,320	Poland, L. N. P.	Magneto-electric	May 22, 1888
383,655	Pond, C. H.	Clocks, electric	May 29, 1888
372,637	Pond, F. S.	Connectors	Nov. 1, 1887
367,925	Poole, W. C. and Schuepf, J.	Annunciators	Aug. 9, 1887
366,606	Pope, F. L., Byllesby, H. M., and Lange, P.	Lights, sockets and keys	July 12, 1887
374,495	Pope, W. R.	Applications, general	Dec. 6, 1887
380,817	Prichard, F. E.	Valve-controllers	Apr. 10, 1888
381,279	Pruden, S. M.	Indicators	Apr. 17, 1888
381,167	Purdy, H.	Reflectors	Apr. 17, 1888
369,813	Rader, G.	Conductors, underground	Sept. 13, 1887
380,594	Randall, C. A.	Printing, hand stamps	Apr. 3, 1888
380,595	Randall, C. A.	do	Apr. 3, 1888
367,662	Reams, A. J.	Time-checks	Aug. 2, 1887
367,663	Reams, A. J.	Clocks, electric	Aug. 2, 1887
384,472	Reams, A. J.	do	June 12, 1888
378,375	Rechniewski, W. C.	Magneto-electric	Feb. 21, 1888
371,358	Reckenzaun, A.	Batteries, secondary	Oct. 11, 1887
385,068	Reckenzaun, A.	Magneto-electric	June 26, 1888
385,200	Reckenzaun, A.	Batteries, secondary	June 26, 1888
371,626	Redl, C.	Alarms	Oct. 18, 1887
367,548	Reed, T. S.	Conductors	Aug. 2, 1887
375,834	Register, H. C.	Drills	Jan. 3, 1888
382,110	Reilly, C. P.	Lights, sockets and keys	May 1, 1888
374,850	Reinmann, C. F.	Lights, incandescent	Dec. 13, 1887
381,953	Reitler, C. W.	Medical and surgical, body-wear	May 1, 1888
375,952	Requa, L. F.	Conductors	Jan. 3, 1888
374,374	Reynolds, W. H.	Valve-controllers	Dec. 6, 1887
372,330	Rice, E. W., jr.	Systems of distribution	Nov. 1, 1887
381,420	Rice, E. W., jr.	do	Apr. 17, 1888
383,913	Rice, E. W., jr.	Rheostats	June 5, 1888
379,284	Rice, L. C.	Magneto-electric	Mar. 13, 1888
374,322	Ricketson, J. C.	Indicators	Dec. 6, 1887
370,282	Ries, E. E.	Heaters	Sept. 20, 1887

No.	NAME.	CLASS.	DATE.
370,283	Ries, E. E.	Locomotion	Sept. 20, 1887
379,815	Ries, E. E.	do	Mar. 20, 1888
379,909	Ries, E. E.	do	Mar. 20, 1888
380,138	Ries, E. E.	Induction-coils	Mar. 27, 1888
381,421	Ries, E. E.	Magneto-electric	Apr. 17, 1888
381,815	Ries, E. E.	Heaters	Apr. 24, 1888
381,816	Ries, E. E.	do	Apr. 24, 1888
381,817	Ries, E. E.	do	Apr. 24, 1888
381,818	Ries, E. E.	do	Apr. 24, 1888
381,819	Ries, E. E.	do	Apr. 24, 1888
379,816	Ries, E. E. and Henderson, A. H.	Locomotion	Mar. 20, 1888
383,770	Ries, E. E. and Henderson, A. H.	do	May 29, 1888
381,422	Riker, A. L.	Batteries, galvanic	Apr. 17, 1888
384,077	Riker, A. L.	Magneto-electric	June 5, 1888
382,272	Robb, J. T.	Lights, systems and appliances	May 1, 1888
375,835	Robinson, E. W., O'Brien, C. H., and Breen, H. M.	Electrodes	Jan. 3, 1888
375,569	Rogers, C. D.	Telegraphy, fire	Dec. 27, 1887
382,439	Roome, H. C.	Alarms, burglar	May 8, 1888
375,001	Roosevelt, A.	Valve-controllers	Dec. 20, 1887
374,088	Roosevelt, H. L.	Organ-actions, pneumatic	Nov. 29, 1887
371,521	Rowell, H. N.	Medical and surgical, body-wear	Oct. 11, 1887
367,164	Rnger, H. K.	Insulators	July 26, 1887
382,056	Ruggles, D.	Signals, nautical	May 1, 1888
367,931	Runels, C.	Connectors	Aug. 9, 1887
382,734	Russ, N. W.	Applications, general	May 15, 1888
378,464	Russell, L.	Repeaters	Feb. 28, 1888
383,140	Russell, S.	Batteries, secondary	May 22, 1888
366,190	Safford, A. G.	Telephones, magnetic	July 5, 1887
383,771	Saunders, A. D.	Dumb waiters	May 29, 1888
372,334	Sawyer, F. A.	Lights, systems and appliances	Nov. 1, 1887
380,053	Sawyer, W. H.	Conductors	Mar. 27, 1888
380,054	Sawyer, W. H.	do	Mar. 27, 1888
366,513	Scales, W. S.	Clocks, electric	July 12, 1887
379,820	Schanschieff, A.	Salines	Mar. 20, 1888
379,911	Schanschieff, A.	Batteries, galvanic	Mar. 20, 1888
377,118	Schefbauer, R.	Conductors	Jan. 31, 1888
367,241	Schleicher, A. W.	Gearing, frictional	July 26, 1887
380,324	Schlepegrell, F. W.	Alarms	Apr. 10, 1888
370,894	Schlesinger, W. M.	Car-brakes	Oct. 4, 1887
377,215	Schlesinger, W. M.	Locomotion	Jan. 31, 1888
378,980	Schlesinger, W. M.	do	Mar. 6, 1888
381,585	Schlesinger, W. M.	do	Apr. 24, 1888
366,347	Schmid, A.	Induction-coils	July 12, 1887
383,657	Schmid, A.	Magneto-electric	May 29, 1888
383,658	Schmid, A.	do	May 29, 1888
383,659	Schmid, A. and Byllesby, H. M.	do	May 29, 1888
381,725	Schneider, J.	Magnetic locks and bolts	Apr. 24, 1888
381,852	Schuchman, A.	Alarms, burglar	Apr. 24, 1888
373,691	Schwalm, H. F. D.	Decomposing fats	Nov. 22, 1887
367,670	Scribner, C. E.	Telephones, switch-boards	Aug. 2, 1887
373,910	Scribner, C. E.	Telephones, calls	Nov. 29, 1887
373,948	Scribner, C. E.	Magneto-electric	Nov. 29, 1887
374,907	Scribner, C. E.	Telephones, systems	Dec. 13, 1887
375,635	Scribner, C. E.	do	Dec. 27, 1887
377,441	Scribner, C. E.	do	Feb. 7, 1888
381,430	Scribner, C. E.	do	Apr. 17, 1888
381,431	Scribner, C. E.	do	Apr. 17, 1888
383,013	Scribner, C. E.	do	May 15, 1888
383,014	Scribner, C. E.	do	May 15, 1888
383,015	Scribner, C. E.	Annunciators	May 15, 1888
383,016	Scribner, C. E.	Magneto-electric, hand machines	May 15, 1888
383,017	Scribner, C. E.	Telephones, systems	May 15, 1888
383,018	Scribner, C. E.	do	May 15, 1888
383,495	Scribner, C. E.	do	May 29, 1888
384,088	Scribner, C. E.	Annunciators	June 5, 1888
384,476	Scribner, C. E.	Telegraphy, fire	June 12, 1888
384,477	Scribner, C. E.	Telephones, systems	June 12, 1888
384,644	Scribner, C. E.	do	June 19, 1888
385,205	Scribner, C. E.	do	June 26, 1888
382,550	Seel, C.	Lights, filaments and carbons	May 8, 1888
367,730	Seely, J. A.	Telephones, switch-boards	Aug. 2, 1887
369,034	Seely, J. A.	Batteries, galvanic	Aug. 30, 1887
366,034	Seiler, C.	do	July 5, 1887
379,822	Seiler, C.	Heaters	Mar. 20, 1888
370,893	Selden, C.	Circuits and systems	Oct. 4, 1887
371,980	Selden, C.	Telegraphy, automatic	Oct. 25, 1887

No.	NAME.	CLASS.	DATE.
375,898	Selden, C	Telegraphy, duplex	Jan. 3, 1888
378,181	Selden, C	do	Feb. 21, 1888
382,195	Selden, C	Telegraphy, reed	May 1, 1888
377,642	Sellon, J. S	Batteries, secondary	Feb. 7, 1888
378,115	Sellon, J. S	Batteries, secondary, applications	Feb. 21, 1888
378,527	Sellon, J. S	do	Feb. 28, 1888
382,112	Sellon, J. S	Batteries, secondary	May 1, 1888
383,193	Sellon, J. S	do	May 22, 1888
384,289	Sellon, J. S	Batteries, secondary, applications	June 12, 1888
373,859	Sellon, R. P. and Mordey, W. M	Regulators	Nov. 29, 1887
367,451	Serson, J	Batteries, galvanic	Aug. 2, 1887
374,631	Serson, J	do	Dec. 13, 1887
375,007	Serson, J	do	Dec. 20, 1887
368,857	Settle, M	Lights, incandescant	Aug. 23, 1887
384,594	Seymour, H. A	Locomotion	June 12, 1888
367,323	Shaffer, C. H	Telegraphy, fire, alarms and extinguishers	July 26, 1887
366,349	Shallenberger, O. B	Regulators	July 12, 1887
366,350	Shallenberger, O. B	Cut-outs, thermal	July 12, 1887
367,934	Shallenberger, O. B	Magneto-electric	Aug. 9, 1887
372,934	Shallenberger, O. B	do	Nov. 8, 1887
372,935	Shallenberger, O. B	do	Nov. 8, 1887
372,936	Shallenberger, O. B	Systems of distribution	Nov. 8, 1887
373,029	Shallenberger, O. B	Induction-coils	Nov. 8, 1887
380,942	Shallenberger, O. B	Batteries, galvanic	Apr. 10, 1888
380,943	Shallenberger, O. B	do	Apr. 10, 1888
380,944	Shallenberger, O. B	do	Apr. 10, 1888
380,945	Shallenberger, O. B	Lights, systems and appliances	Apr. 10, 1888
383,661	Shallenberger, O. B	Systems of distribution	May 29, 1888
383,662	Shallenberger, O. B	Magneto-electric	May 29, 1888
383,663	Shallenberger, O. B	do	May 29, 1888
383,664	Shallenberger, O. B	do	May 29, 1888
383,665	Shallenberger, O. B	Galvanometers	May 29, 1888
383,666	Shallenberger, O. B	do	May 29, 1888
383,667	Shallenberger, O. B	do	May 29, 1888
383,668	Shallenberger, O. B	do	May 29, 1888
383,669	Shallenberger, O. B	do	May 29, 1888
383,670	Shallenberger, O. B	do	May 29, 1888
383,671	Shallenberger, O. B	do	May 29, 1888
383,672	Shallenberger, O. B	do	May 29, 1888
380,946	Shallenberger, O. B. and Byllesby, H. M	Systems of distribution	Apr. 10, 1888
380,947	Shallenberger, O. B. and Byllesby, H. M	Batteries, galvanic	Apr. 10, 1888
376,212	Shanck, H. K	Explosives	Jan. 10, 1888
365,868	Shaver, G. F	Telephones, mechanical	July 5, 1887
367,069	Shaw, E. S	Locomotion	July 26, 1887
368,692	Sheehy, R. J	Telegraphy, printing	Aug. 23, 1887
368,858	Sheehy, R. J	do	Aug. 23, 1887
368,859	Sheehy, R. J	do	Aug. 23, 1887
370,357	Sheehy, R. J	do	Sept. 20, 1887
370,978	Sheehy, R. J	do	Oct. 4, 1887
379,991	Shepard, C. D	Ships, sub-marine and torpedo	Mar. 27, 1888
372,494	Shepherd, C. H	Construction	Nov. 1, 1887
369,561	Short, S. H	Batteries, secondary	Sept. 6, 1887
379,081	Short, S. H	Locomotion	Mar. 6, 1888
379,082	Short, S. H	Traction, underground	Mar. 6, 1888
381,650	Short, S. H	Locomotion	Apr. 24, 1888
381,856	Sibley, C. C	Motors	Apr. 24, 1888
385,145	Siebel, J. E	Incrustation	June 26, 1888
366,263	Silliman, R. F	Insulating material	July 12, 1887
378,021	Silliman, R. F	Conductors, underground	Feb. 14, 1888
383,775	Sintz, C.	Explosives	May 29, 1888
370,423	Skinner, J. J	Lights, arc, gravity feed	Sept. 27, 1887
370,424	Skinner, J. J	do	Sept. 27, 1887
376,920	Skrivan, O. and Dvorak, F	Time-checks	Jan. 24, 1888
374,711	Slater, H. B	Magneto-electric	Dec. 13, 1887
380,702	Slater, H. B	do	Apr. 10, 1888
375,014	Slattery, M. M. M	Lights, systems and appliances	Dec. 20, 1887
382,738	Sloane, G. H	Batteries, galvanic	May 15, 1888
378,983	Smith, A. A	Telegraphy, fire	Mar. 6, 1888
378,359	Smith, A. C	Show boxes and cards	Feb. 21, 1888
371,524	Smith, E	Induction-coils	Oct. 11, 1887
366,695	Smith, G	Telegraphy, quadruplex	July 19, 1887
383,377	Smith, G. G	Telegraphy, fire, alarms and extinguishers	May 22, 1888
383,918	Smith, M. H	Separators	June 5, 1888
384,645	Smith, M. H	do	June 19, 1888
377,962	Smith, R. F	Explosives	Feb. 14, 1888
377,408	Smith, R. T	Embroidering	Feb. 7, 1888
377,409	Smith, R. T	do	Feb. 7, 1888

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377,413	Smith, R. T	Applications, tools and machines	Feb. 7, 1888
332,778	Smith, W. F	Conductors, underground	May 15, 1888
375,390	Sneathen, J. B., Michaels, A., and Michales, M. A.	Drills	Dec. 27, 1887
372,940	Soden, F. H. and Goehst, H.	Lights, systems and appliances	Nov. 8, 1887
380,060	Speed, F. M.	Locomotion	Mar. 27, 1888
378,737	Spencer, T.	Systems of distribution	Feb. 28, 1888
378,738	Spencer, T.	do	Feb. 28, 1888
369,036	Sperry, E. A.	Lightning-arresters	Aug. 30, 1887
385,016	Spiegel, W. G.	Signals, nautical	June 26, 1888
384,478	Spink, J. and Gauzentes, C.	Lights, sockets and keys	June 12, 1888
383,919	Splittdorf, H.	Conductors	June 5, 1888
372,822	Sprague, F. J.	Magneto-electric	Nov. 8, 1887
372,823	Sprague, F. J.	Motors	Nov. 8, 1887
372,824	Sprague, F. J.	Applications, general	Nov. 8, 1887
380,144	Sprague, F. J.	Magneto-electric	Mar. 27, 1888
385,211	Sprague, F. J.	Applications, general	June 26, 1888
366,267	Stanley, W., jr.	Regulators	July 12, 1887
366,268	Stanley, W., jr.	Meters	July 12, 1887
366,523	Stanley, W., jr.	Systems of distribution	July 12, 1887
372,942	Stanley, W., jr.	Lights, systems and appliances	Nov. 8, 1887
372,943	Stanley, W., jr.	Systems of distribution	Nov. 8, 1887
372,944	Stanley, W., jr.	do	Nov. 8, 1887
372,945	Stanley, W., jr.	Magneto-electric	Nov. 8, 1887
374,910	Stanley, W., jr.	Motors	Dec. 13, 1887
383,832	Stanley, W., jr.	Magneto-electric	May 29, 1888
385,147	Starr, E. E.	Batteries, galvanic	June 26, 1888
378,629	Stecher, M.	Batteries, secondary	Feb. 28, 1888
381,653	Steel, J.	Conductors, underground	Apr. 24, 1888
375,392	Stern, W. A.	Meters	Dec. 27, 1887
373,102	Sternberg, G. M.	Bells	Nov. 15, 1887
373,103	Sternberg, G. M.	Thermostats	Nov. 15, 1887
373,104	Sternberg, G. M.	do	Nov. 15, 1887
376,116	Stevens, A. D.	Batteries, secondary, applications	Jan. 10, 1888
379,339	Stevens, G. M.	Telegraphy, fire	Mar. 13, 1888
384,875	Stevens, G. M.	do	June 19, 1888
382,332	Stirling, C. C.	Cut-outs, mechanical	May 8, 1888
382,333	Stirling, C. C.	do	May 8, 1888
382,625	Stitzel, F.	Cut-outs, electro-magnetic	May 8, 1888
380,409	Stitzel, F. and Weinedel, C.	Railway signals	Apr. 3, 1888
385,214	Stitzel, F. and Weinedel, C.	Relays and sounders	June 26, 1888
385,215	Stitzel, F. and Weinedel, C.	Connectors	June 26, 1888
377,538	Stocker, W. F.	Circuit-closers	Feb. 7, 1888
377,539	Stocker, W. F.	Bells	Feb. 7, 1888
369,889	Stoddard, N. F.	Cut-outs, thermal	Sept. 13, 1887
369,568	Street, W. W.	Lights, arc, gravity feed, frictional	Sept. 6, 1887
372,046	Stuart, G.	Electric cartridges	Oct. 25, 1887
374,640	Sundström, K. J.	Blasting and fuses	Dec. 13, 1887
385,020	Sunny, B. E.	Systems of distribution	June 26, 1888
367,768	Sutton, G. D.	Conductors, underground	Aug. 2, 1887
380,829	Swarts, H. J.	Connectors	Apr. 10, 1888
372,579	Tafflinger, C. E.	do	Nov. 1, 1887
382,444	Taft, G. F.	Alarms, burglar	May 8, 1888
384,796	Tag, W. and Smith, S. C.	Igniting devices	June 19, 1888
375,579	Tainter, C. S.	Phonographs	Dec. 27, 1887
380,535	Tainter, C. S.	do	Apr. 3, 1888
379,832	Talcott, W., 2d	Knitting and netting, stopping	Mar. 20, 1888
374,013	Tarbox, J. E.	Balances	Nov. 29, 1887
366,898	Tatham, J.	Insulating material	July 19, 1887
381,862	Taylor, G. R. and Heckert, W.	Railways, elevated	Apr. 24, 1888
373,759	Taylor, G. W.	Connectors	Nov. 22, 1887
377,872	Ten Broeck, T. R.	Induction-coils	Feb. 14, 1888
378,943	Terrell, G. E.	Batteries, galvanic	Mar. 6, 1888
381,968	Tesla, N.	Transmission of power	May 1, 1888
381,969	Tesla, N.	do	May 1, 1888
381,970	Tesla, N.	Systems of distribution	May 1, 1888
382,279	Tesla, N.	Transmission of power	May 1, 1888
382,280	Tesla, N.	do	May 1, 1888
382,281	Tesla, N.	do	May 1, 1888
382,282	Tesla, N.	Induction-coils	May 1, 1888
382,845	Tesla, N.	Magneto-electric	May 15, 1888
381,440	Thaxter, G. E.	Igniting devices	Apr. 17, 1888
382,781	Thomas, J. D.	Conductors	May 15, 1888
384,404	Thomas, J. D.	do	June 12, 1888
366,352	Thompson, E. P.	Lights, incandescent	July 12, 1887
366,353	Thompson, E. P.	Lights, flameouts and carbons	July 12, 1887
369,267	Thompson, E. P.	do	Aug. 30, 1887

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369,664	Thompson, E. P	Lights, filaments and carbons	Sept. 6, 1887
369,665	Thompson, E. P	Lights, systems and appliances	Sept. 6, 1887
369,666	Thompson, E. P	Lights, filaments and carbons	Sept. 6, 1887
370,992	Thompson, E. P	do	Oct. 4, 1887
370,993	Thompson, E. P	Lights, incandescent	Oct. 4, 1887
370,994	Thompson, E. P	do	Oct. 4, 1887
370,995	Thompson, E. P	Lights, filaments and carbons	Oct. 4, 1887
370,996	Thompson, E. P	Lights, incandescent	Oct. 4, 1887
370,997	Thompson, E. P	do	Oct. 4, 1887
370,998	Thompson, E. P	Lights, filaments and carbons	Oct. 4, 1887
370,999	Thompson, E. P	Lights, incandescent	Oct. 4, 1887
371,000	Thompson, E. P	Lights, filaments and carbons	Oct. 4, 1887
371,001	Thompson, E. P	do	Oct. 4, 1887
371,002	Thompson, E. P	do	Oct. 4, 1887
371,003	Thompson, E. P	Lights, systems and appliances	Oct. 4, 1887
382,846	Thompson, E. P	Lights, incandescent	May 15, 1888
383,675	Thompson, E. P	do	May 29, 1888
383,676	Thompson, E. P	do	May 29, 1888
371,640	Thompson, E. W	Recorders	Oct. 18, 1887
367,731	Thoms, W. A	Electro-deposition	Aug. 2, 1887
367,469	Thomson, E	Systems of distribution	Aug. 2, 1887
367,470	Thomson, E	Regulators	Aug. 2, 1887
367,471	Thomson, E	Magneto-electric	Aug. 2, 1887
367,866	Thomson, E	do	Aug. 9, 1887
369,754	Thomson, E	Regulators	Sept. 13, 1887
370,573	Thomson, E	do	Sept. 27, 1887
372,501	Thomson, E	Systems of distribution	Nov. 1, 1887
373,108	Thomson, E	Motors	Nov. 15, 1887
375,022	Thomson, E	Heaters	Dec. 20, 1887
375,784	Thomson, E	do	Jan. 3, 1888
376,120	Thomson, E	Regulators	Jan. 10, 1888
377,217	Thomson, E	Motors	Jan. 31, 1888
381,441	Thomson, E	Meters	Apr. 17, 1888
381,442	Thomson, E	do	Apr. 17, 1888
381,443	Thomson, E	do	Apr. 17, 1888
382,335	Thomson, E	Magneto-electric	May 8, 1888
382,336	Thomson, E	Regulators	May 8, 1888
385,022	Thomson, E	Heaters	June 26, 1888
370,572	Thomson, E. and Rice, E. W., jr	Lights, arc	Sept. 27, 1887
379,255	Thone, F	Lights, sockets and keys	Mar. 13, 1888
376,615	Thurber, W. E. and McConnell, J	Telephones, supports	Jan. 17, 1888
373,160	Tiffany, J. C. and DeMier, J. R	Telegraphy, railway-car	Nov. 15, 1887
383,502	Timmis, I. A. and Currie, S. C. C	Batteries, secondary, applications	May 29, 1888
370,831	Tirrell, J. P	Bells	Oct. 4, 1887
373,207	Tirrell, J. P	Circuit-closers	Nov. 15, 1887
374,017	Tirrell, J. P	Cut-outs, electro-magnetic	Nov. 29, 1887
376,171	Tirrell, J. P	Annunciators	Jan. 10, 1888
377,916	Tirrell, J. P	Bells	Feb. 14, 1888
382,741	Tisdale, C. D	Railways, signals	May 15, 1888
379,344	Tittle, D. J., jr	Miscellaneous	Mar. 13, 1888
368,628	Todd, H. L	Telephones, electric	Aug. 23, 1887
380,301	Tompkins, W. M	Drop-lights and hangers	Mar. 27, 1888
377,218	Totman, G. W. and P. C	Medical and surgical, body-wear	Jan. 31, 1888
385,023	Tracy, P. J	Cut-outs, mechanical	June 26, 1888
377,788	Trayer, E. P. and Kugler, G. H	Telephones, systems	Feb. 14, 1888
382,914	Tregoning, J	Galvanometers	May 15, 1888
368,796	Trouvé, G	Steering and propulsion	Aug. 23, 1887
367,474	Trunau, E	Metallic vessels, spouted	Aug. 2, 1887
372,720	Tucker, A. W. and E. M	Photography, processes	Nov. 8, 1887
376,121	Tucker, C. A	Magnetic locks and bolts	Jan. 10, 1888
369,372	Turner, T. G	Conductors, lead-covered	Sept. 6, 1887
379,037	Urban, O. and Wightman, M. J	Magneto-electric	Mar. 6, 1888
377,340	Urquhart, D. and Nicholson, B	Batteries, galvanic	Jan. 31, 1888
376,562	Van Buren, R. and Powers, J. J	Conductors, underground	Jan. 17, 1888
376,617	Vauce, S. B. H	Lights, systems and appliances	Jan. 17, 1888
383,158	Vance, S. B. H	do	May 22, 1888
383,332	Vance, S. B. H	do	May 22, 1888
367,475	Van Depoele, C. J	Locomotion	Aug. 2, 1887
367,685	Vau Depoele, C. J	Car-brakes	Aug. 2, 1887
380,610	Van Gestel, J. T	Conductors, lead-covered	Apr. 3, 1888
374,883	Van Hoebenbergh, H	Motors	Dec. 13, 1887
370,575	Van Rysselberghe, F	Regulators	Sept. 27, 1887
370,576	Van Rysselberghe, F	Telegraphy, reed	Sept. 27, 1887
370,577	Van Rysselberghe, F	do	Sept. 27, 1887
383,786	Viau, M	Clocks, electric	May 29, 1888
381,446	Von der Kammer, J	Cut-outs, mechanical	Apr. 17, 1888
371,720	Waddell, M	Galvanometers	Oct. 18, 1887

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374,381	Waddell, M	Systems of distribution	Dec. 6, 1887
374,329	Waite, H. E.	Batteries, galvanic	Dec. 6, 1887
371,111	Wallace, T	Conductors, underground	Oct. 4, 1887
378,121	Walter, H.	Batteries, galvanic	Feb. 21, 1888
378,122	Walter, H. and Marsh, W. E. H.	do	Feb. 21, 1888
373,034	Walter, H. E.	Magneto-electric	Nov. 8, 1887
371,808	Waring, R. S.	Connectors	Oct. 18, 1887
378,560	Waring, R. S.	Conductors, underground	Feb. 28, 1888
378,561	Waring, R. S.	do	Feb. 28, 1888
378,029	Warner, E. P.	Galvanometers	Feb. 14, 1888
378,030	Warner, E. P.	Telephones, systems	Feb. 14, 1888
366,613	Waterhouse, A. G.	Lights, arc, gravity feed, frictional	July 12, 1887
366,614	Waterhouse, A. G.	do	July 12, 1887
375,403	Waterhouse, A. G.	Rheostats	Dec. 27, 1887
369,376	Watkins, F. C.	Telephones, electric	Sept. 6, 1887
369,377	Watkins, F. C.	do	Sept. 6, 1887
369,378	Watkins, F. C.	do	Sept. 6, 1887
369,379	Watkins, F. C.	do	Sept. 6, 1887
370,293	Watkins, F. C.	Telephones, systems	Sept. 20, 1887
371,531	Watson, J. E.	Relays and sounders	Oct. 11, 1887
372,245	Watson, J. E.	Telegraphy, automatic	Oct. 25, 1887
383,843	Watson, J. E.	Relays and sounders	May 29, 1888
384,222	Watson, J. E.	do	June 5, 1888
376,567	Weems, D. G.	Locomotion	Jan. 17, 1888
381,866	Weil, L.	Valve-controllers	Apr. 24, 1888
375,238	Welch, M. M.	Circuit-closers	Dec. 20, 1887
381,303	Welden, R. H.	Telephones, switch-boards	Apr. 17, 1888
373,211	Wenström, J.	Separators	Nov. 15, 1887
381,451	Wenström, J.	Magneto-electric	Apr. 17, 1888
370,434	Wessel, F. A.	Systems of distribution	Sept. 27, 1887
366,361	Westinghouse, G., jr.	Conductors	July 12, 1887
366,362	Westinghouse, G., jr.	Induction-coils	July 12, 1887
366,544	Westinghouse, G., jr.	do	July 12, 1887
373,035	Westinghouse, G., jr.	Systems of distribution	Nov. 8, 1887
373,036	Westinghouse, G., jr.	do	Nov. 8, 1887
373,037	Westinghouse, G., jr.	do	Nov. 8, 1887
383,678	Westinghouse, G., jr.	Meters	May 29, 1888
383,679	Westinghouse, G., jr.	Magneto-electric	May 29, 1888
373,038	Westinghouse, G., jr., Byllesby, H. M., Sbal-lenberger, O. B., and Schmid, A.	Induction-coils	Nov. 8, 1887
374,858	Westinghouse, G., jr., Byllesby, H. M., Sbal-lenberger, O. B., Schmid, A., and Hartley, B.	Magneto-electric	Dec. 13, 1887
383,680	Westinghouse, G., jr., and Lange, P.	Meters	May 29, 1888
381,304	Weston, E.	Rheostats	Apr. 17, 1888
381,305	Weston, E.	do	Apr. 17, 1888
381,736	Weston, E.	Galvanometers	Apr. 24, 1888
378,124	Wetzler, J. and S.	Bells	Feb. 21, 1888
383,605	Wheeler, A. D.	Telegraphy, fire, alarms and extinguishers	May 29, 1888
374,324	Wheeler, M.	Lights, incandescent	Dec. 6, 1887
368,987	Wheeler, S. S.	Conductors	Aug. 30, 1887
370,000	Wheeler, S. S.	Motors	Sept. 13, 1887
385,023	Wheelock, B. J.	Batteries, galvanic	June 26, 1888
380,469	Whipple, S. A.	Locomotion	Apr. 3, 1888
377,505	White, L. S.	Igniting devices	Feb. 7, 1888
384,806	White, W. W.	Electro deposition	June 19, 1888
374,225	Whitefield, G. W.	Dental instruments	Dec. 6, 1887
376,569	Whitehead, S. B.	Relays and sounders	Jan. 17, 1888
371,869	Whitney, E. R.	Spring scales	Oct. 18, 1887
376,018	Whitney, E. R.	Induction-coils	Jan. 3, 1888
377,591	Whitney, E. R.	Grain meters	Feb. 7, 1888
374,439	Whitney, R. W. and Pultz, F.	Telephones, details	Dec. 6, 1887
383,263	Whittier, T. P.	Batteries, galvanic	May 22, 1888
367,734	Widdicombe, R. H.	Conductors	Aug. 2, 1887
373,761	Wiese, G. A.	Lights, arc, gravity feed, gear	Nov. 22, 1887
378,484	Wiest, J.	Batteries, galvanic	Feb. 28, 1888
367,031	Wightman, M. J. and Lemp, H.	Lights, arc, gravity feed	July 26, 1887
367,082	Wightman, M. J. and Lemp, H.	Cut-outs, mechanical	July 26, 1887
367,568	Wightman, M. J. and Lemp, H.	Lights, arc, gravity feed, gear	Aug. 2, 1887
378,818	Wightman, M. J. and Rasmussen, E.	do	Feb. 28, 1888
367,080	Wightman, M. J. and Urban, O.	Magneto-electric	July 26, 1887
372,734	Wilder, C. H.	Batteries, galvanic	Nov. 8, 1887
375,034	Wilder, C. H.	do	Dec. 20, 1887
376,019	Wilder, C. H.	Minor plastics, miscellaneous	Jan. 3, 1888
383,548	Wildt, E. A.	Batteries, galvanic	May 29, 1888
373,508	Wiley, C. J.	Telegraphy, printing	Nov. 22, 1887
379,842	Wilkes, G.	Lights, sockets and keys	Mar. 20, 1888
377,344	Williams, C. W.	Railway signals	Jan. 31, 1888

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372,647	Williams, J	Medical and surgical, body-wear	Nov. 1, 1887
372,441	Williams, P. G. and Roovers, A. W	Applications, general	Nov. 1, 1887
366,058	Williams, R. E. and Hammer, T. G	Medical and surgical, body-wear	July 5, 1887
384,810	Williams, T. D. and Lucock, J. S	Railway signals	June 19, 1888
384,811	Williams, T. D. and Lucock, J. S	do	June 19, 1888
369,144	Williamson, J. J	Wire	Aug. 30, 1887
380,842	Williamson, J. R. and Hickies, W. W	Applications, general	Apr. 10, 1888
381,738	Willis, J. B	Annunciators	Apr. 24, 1888
374,103	Wilson, D	Girders and columns	Nov. 29, 1887
380,778	Wilson, J. C	Telegraphy, fire	Apr. 10, 1888
380,779	Wilson, J. C	do	Apr. 10, 1888
380,780	Wilson, J. C	do	Apr. 10, 1888
378,913	Wing, L. J	Rails	Mar. 6, 1888
374,028	Woehrl, A. C	Magnetic locks and bolts	Nov. 29, 1887
381,314	Wood, F. B	Bells	Apr. 17, 1888
383,933	Wood, J. J	Cut-outs, mechanical	June 5, 1888
384,815	Wood, J. J	Lights, sockets and keys	June 19, 1888
384,816	Wood, J. J	Magneto-electric	June 19, 1888
384,817	Wood, J. J	Lights, arc, gravity feed, gear	June 19, 1888
376,973	Wood, P. W. and J. B	Telephones, calls	Jan. 31, 1888
369,577	Wood, W. B	Telegraphy, printing	Sept. 6, 1887
366,192	Woods, G. T	Relays and sounders	July 5, 1887
368,265	Woods, G. T	Car-brakes	Aug. 16, 1887
371,241	Woods, G. T	Telephones, electric	Oct. 11, 1887
371,655	Woods, G. T	Car-brakes	Oct. 18, 1887
373,383	Woods, G. T	Telegraphy, railway-car	Nov. 15, 1887
373,915	Woods, G. T	do	Nov. 29, 1887
383,844	Woods, G. T	Locomotion	May 29, 1888
385,034	Woods, G. T	do	June 26, 1888
379,551	Woodward, H	Batteries, galvanic	Mar. 13, 1888
379,552	Woodward, H	do	Mar. 13, 1888
369,672	Woolley, A. G	Annunciators	Sept. 6, 1887
369,219	Woolley, L. G	Batteries, thermal	Aug. 30, 1887
379,144	Wright, C. H	Alarms, burglar	Mar. 6, 1888
384,302	Wright, J	Gas fittings	June 12, 1888
381,048	Wynne, F	Locomotion	Apr. 10, 1888
370,439	Yeakle, J. B. and Steuart, A	Alarms, burglar	Sept. 27, 1887
380,010	Young, C. S. and Painter, G. E	Annunciators	Mar. 27, 1888
381,896	Young, J	Telegraphy, fire	Apr. 24, 1888
382,788	Young, J	Telegraphy, fire, alarms and extinguishers	May 15, 1888
384,660	Zalinski, E. L	Primers	June 19, 1888
384,661	Zalinski, E. L	Shell fuses	June 19, 1888
384,662	Zalinski, E. L	do	June 19, 1888
384,663	Zalinski, E. L	Shells	June 19, 1888
384,664	Zalinski, E. L	Shell fuses	June 19, 1888
366,289	Zimmerman, W. P	Conductors	July 12, 1887
375,910	Zipernowsky, K. and Deri, M	Regulators	Jan. 3, 1888



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